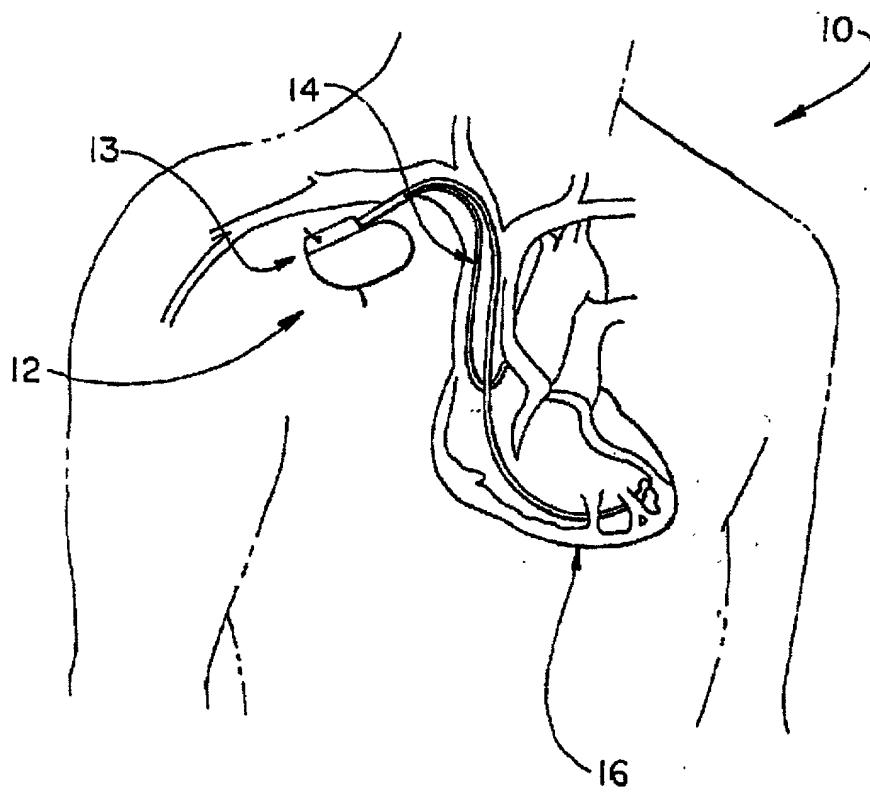


**Fig. 1**



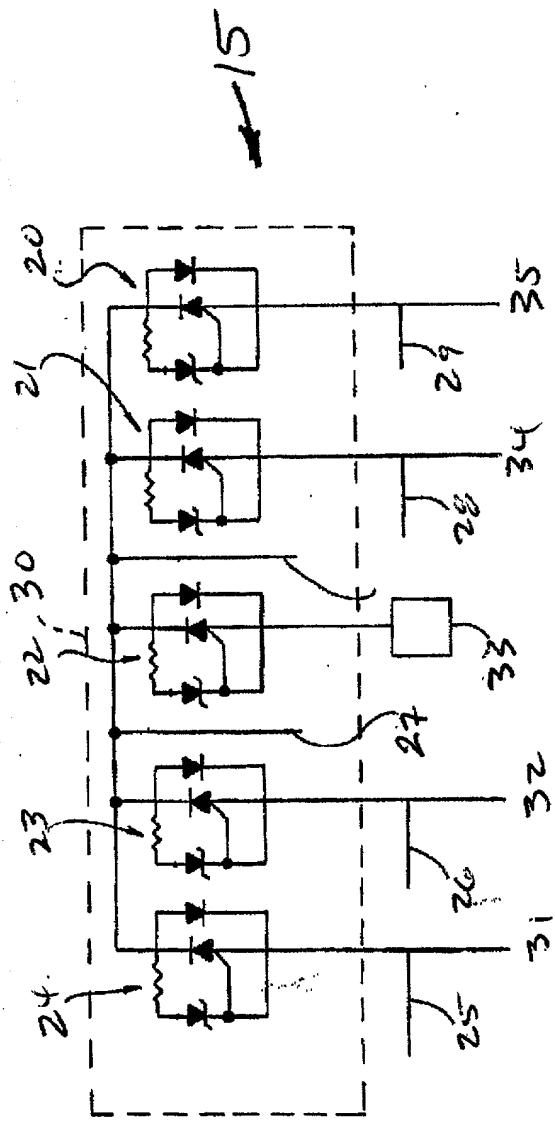


Fig. 2

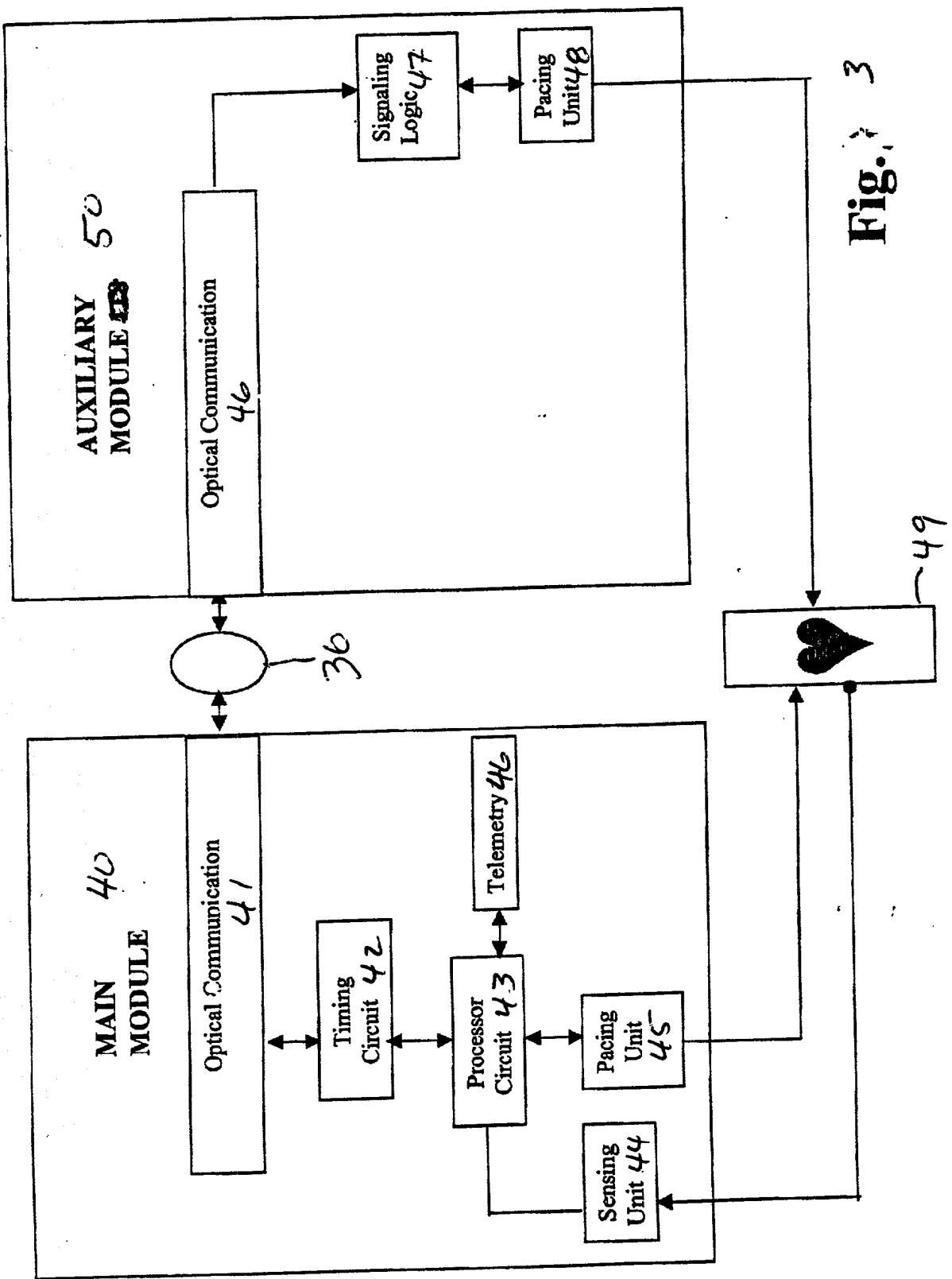


Fig. 3

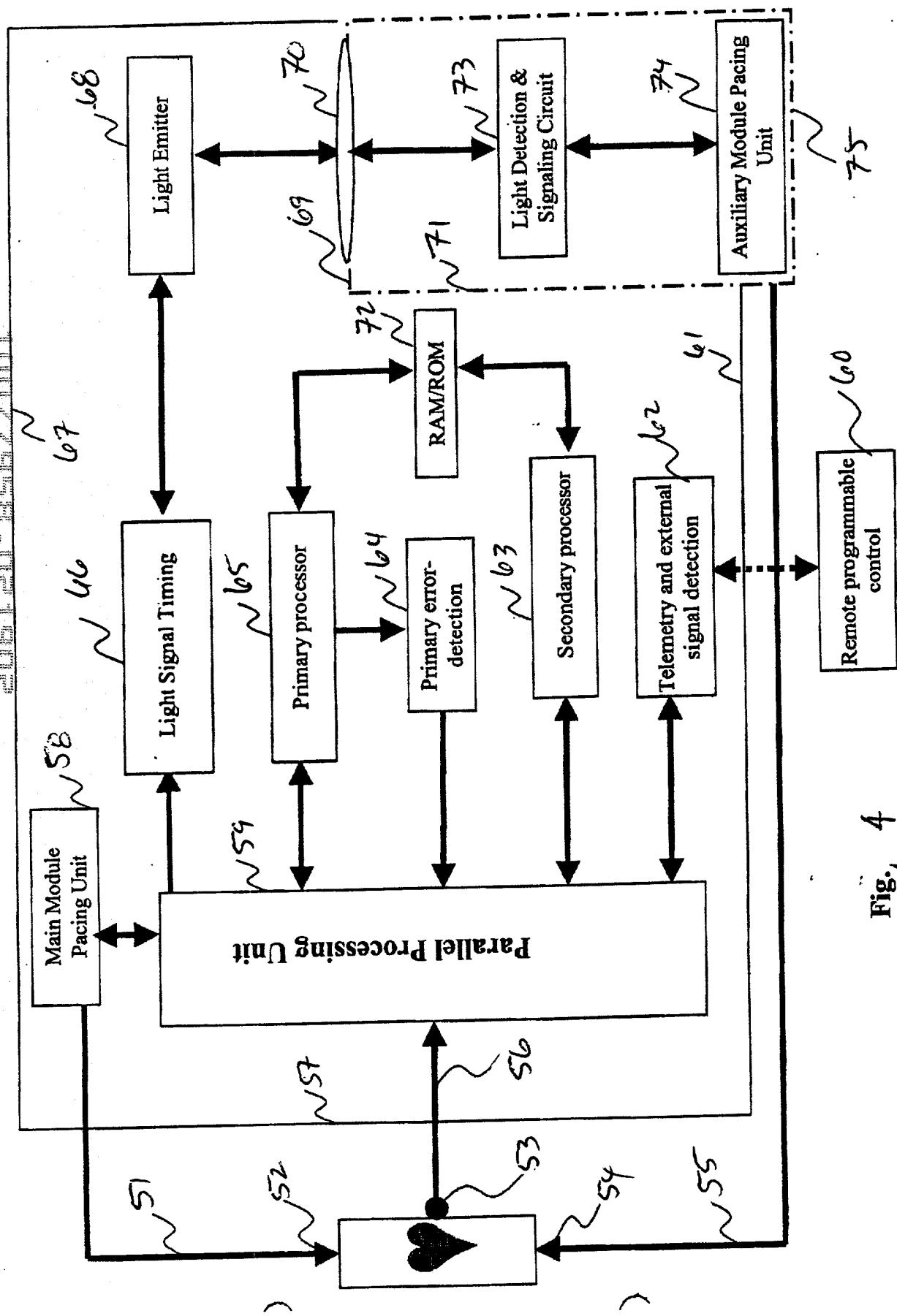


Fig. 4

570

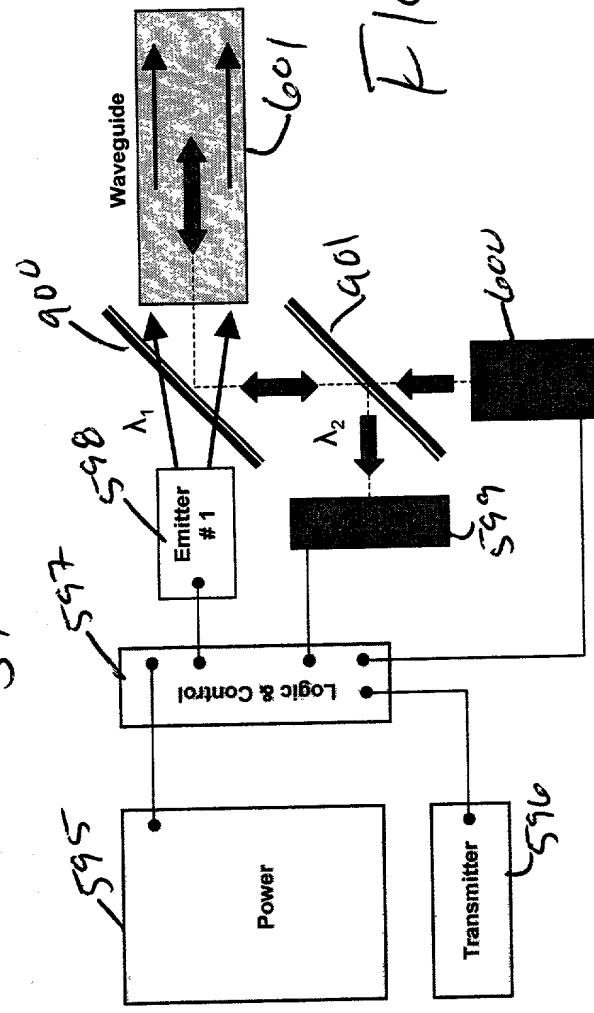


FIG 5

FIG 6

571

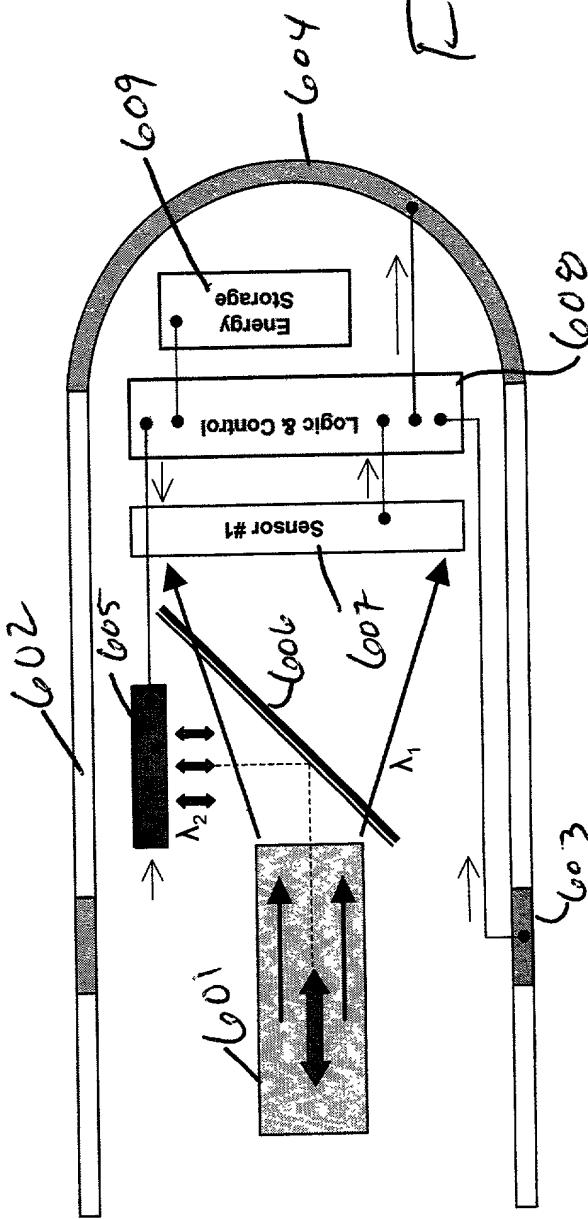
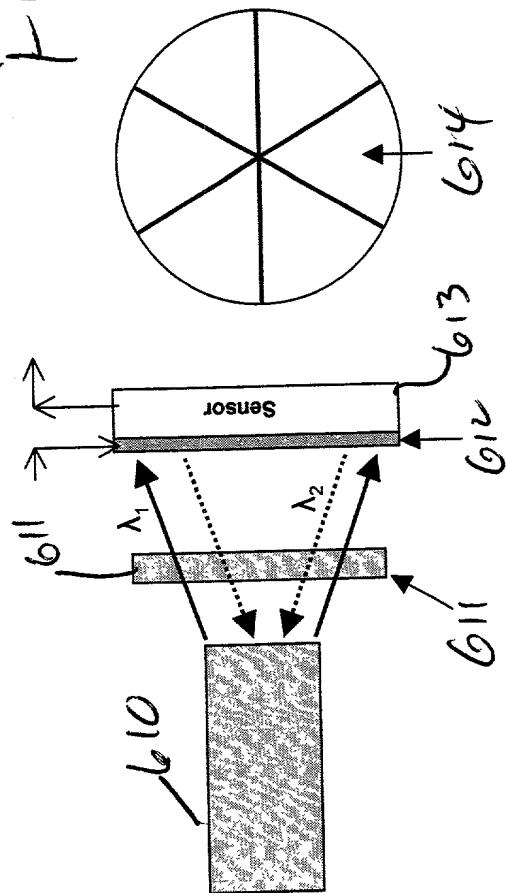
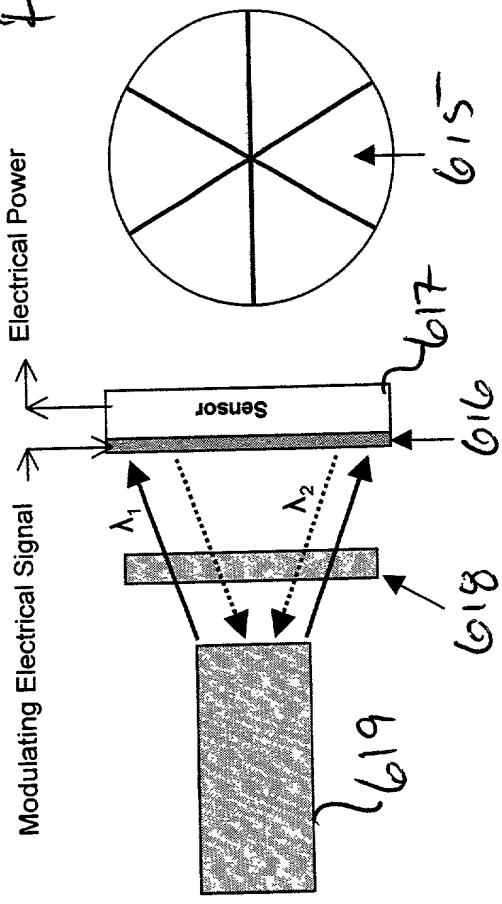


FIG 7



To  
Proximal  
End of  
Catheter

FIG 8



To  
Proximal  
End of  
Catheter

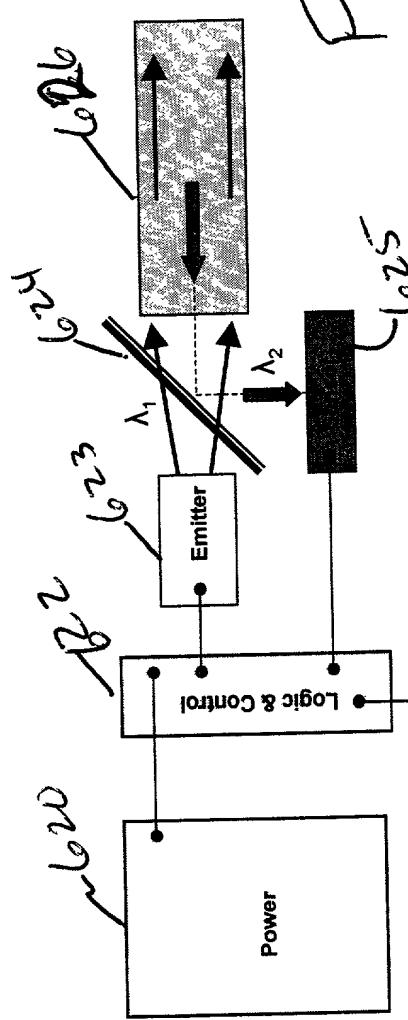
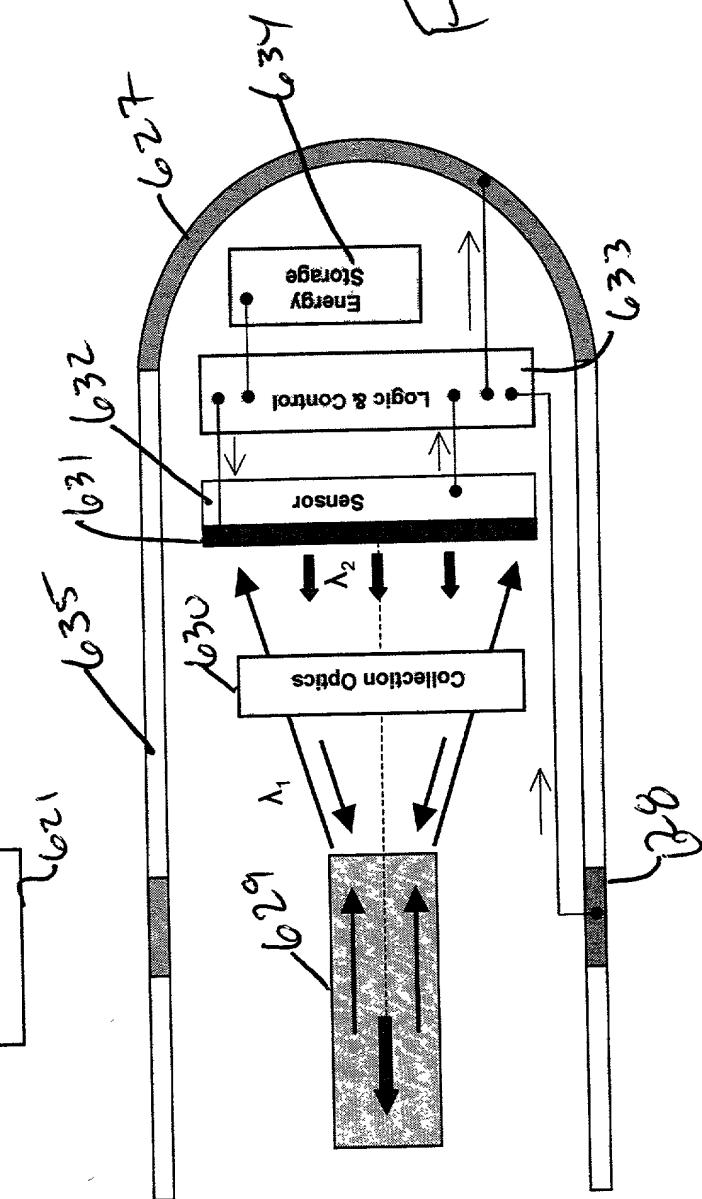


Fig 9



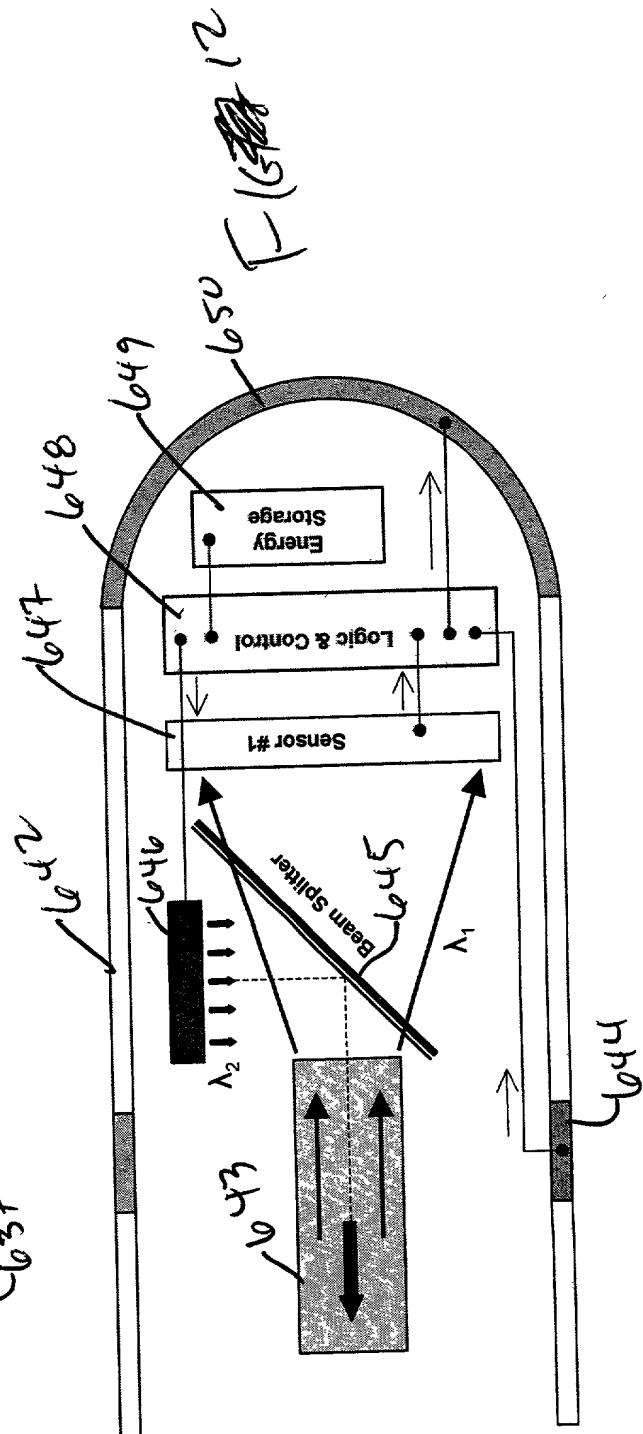
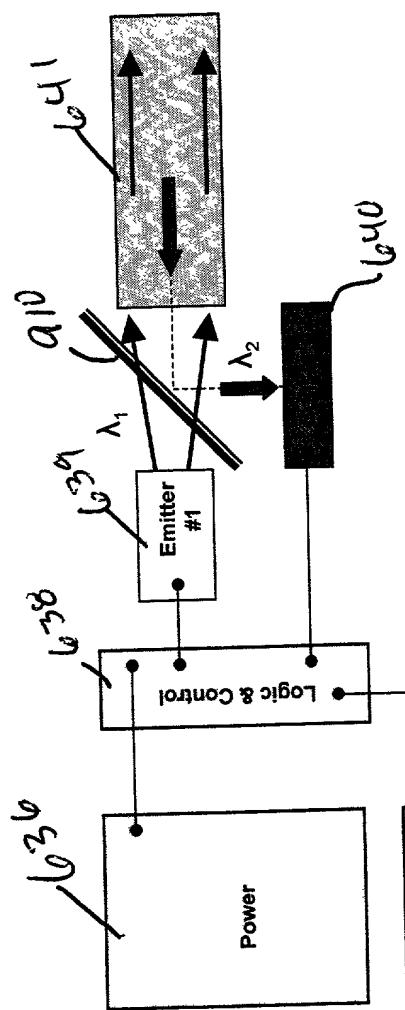
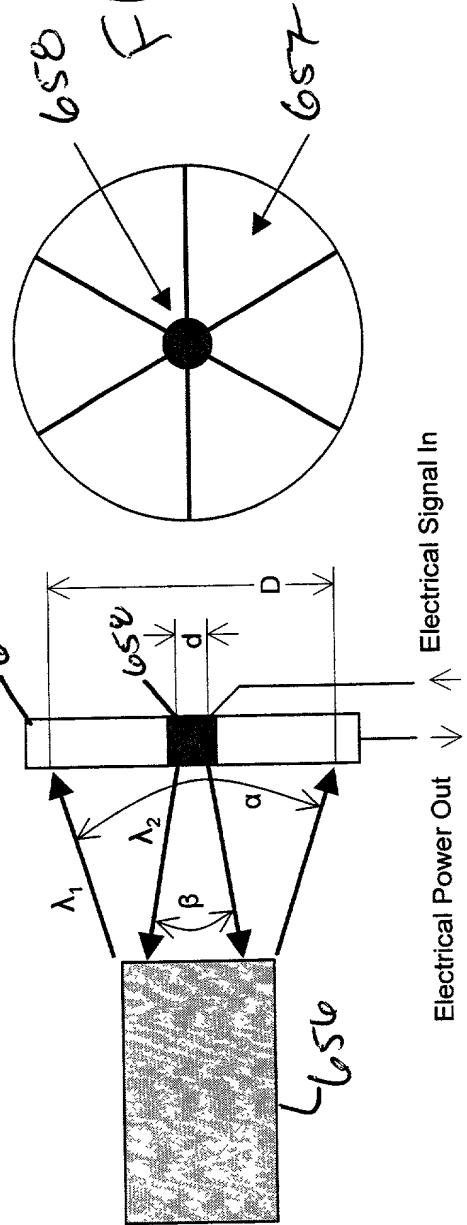
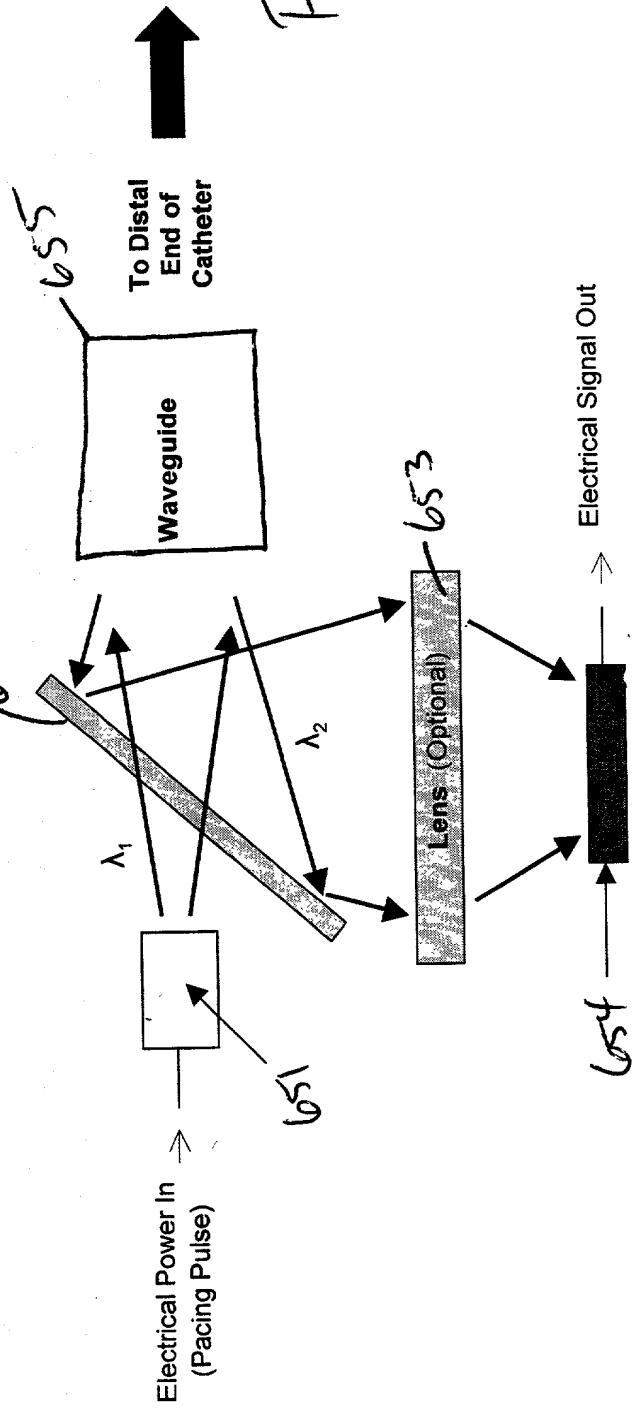


Fig 658 13



To Proximal  
End of  
Catheter



Fig 15

Electrical Power In      Electrical Signal Out

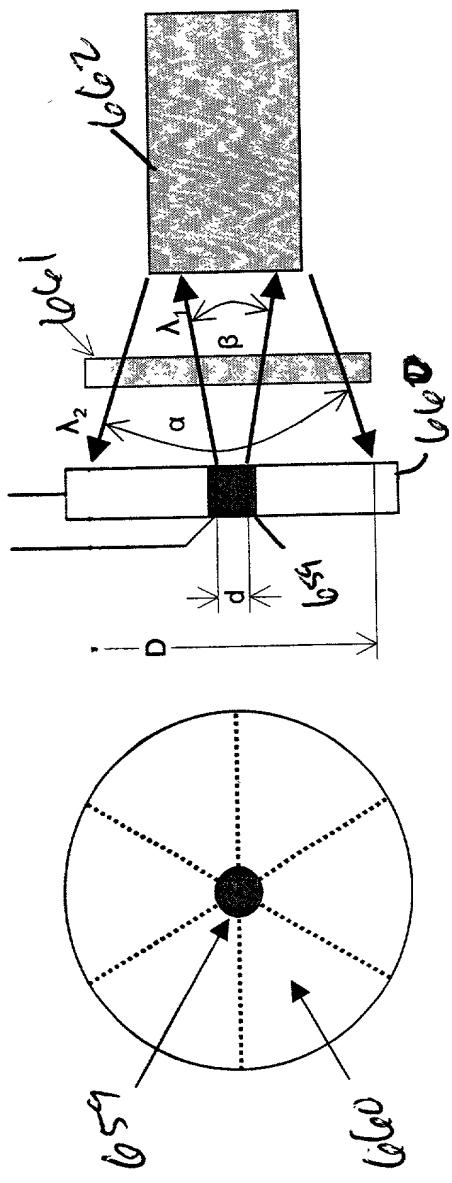
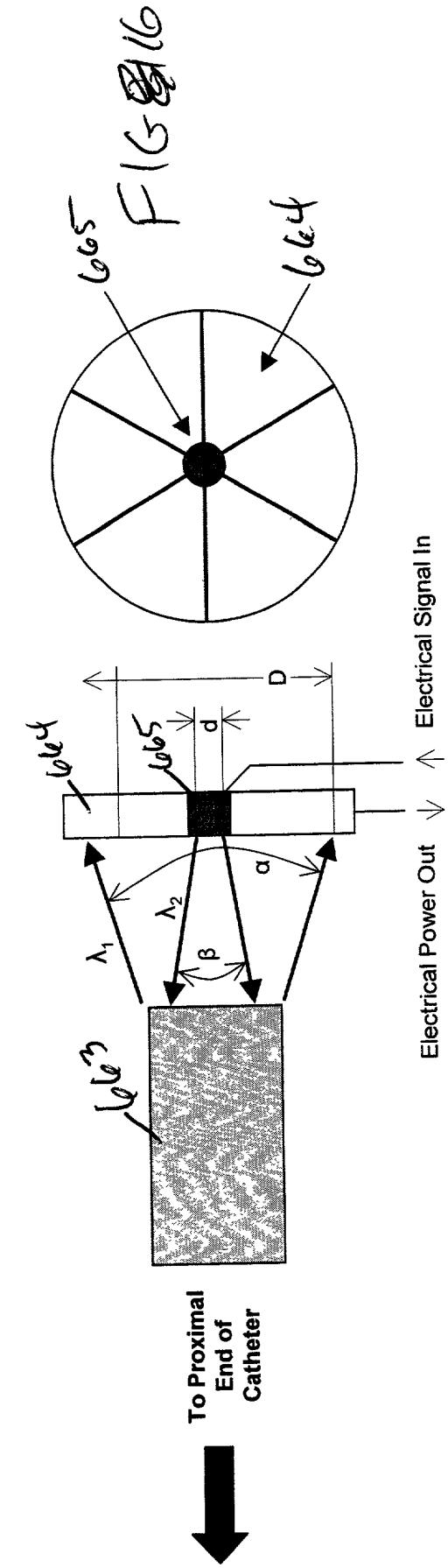
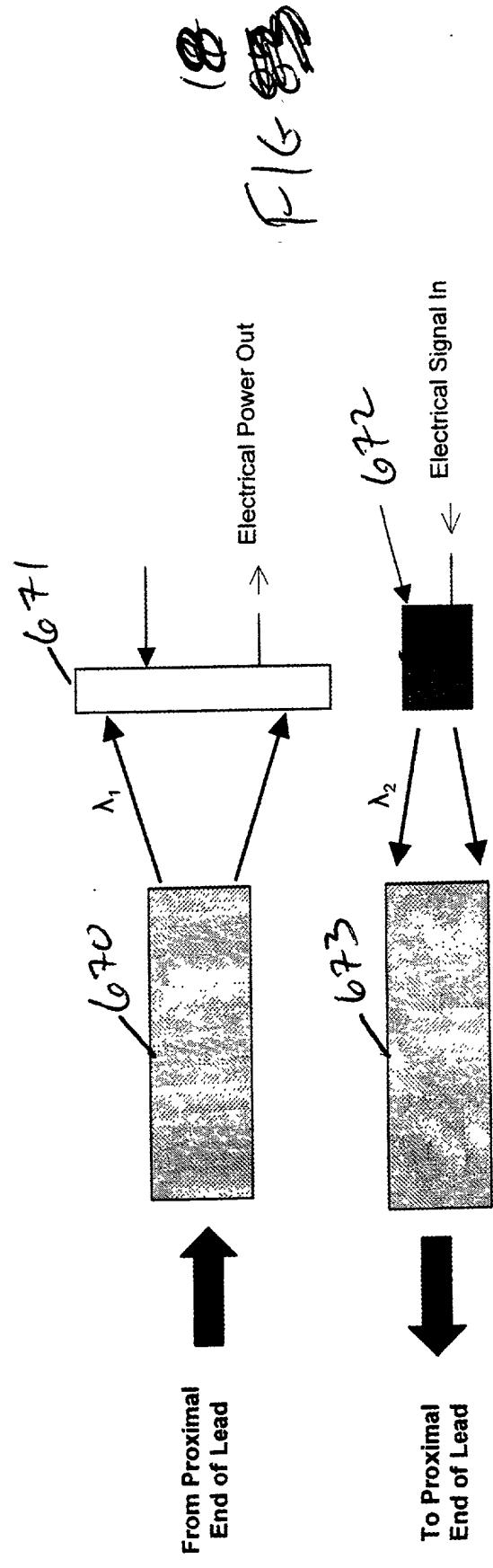
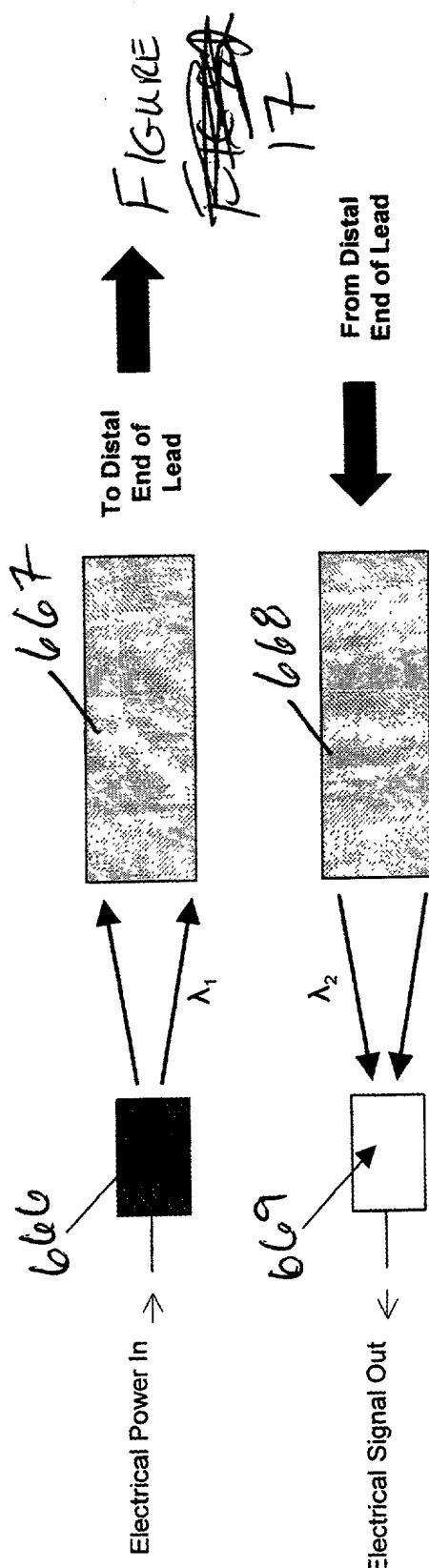


Fig 15





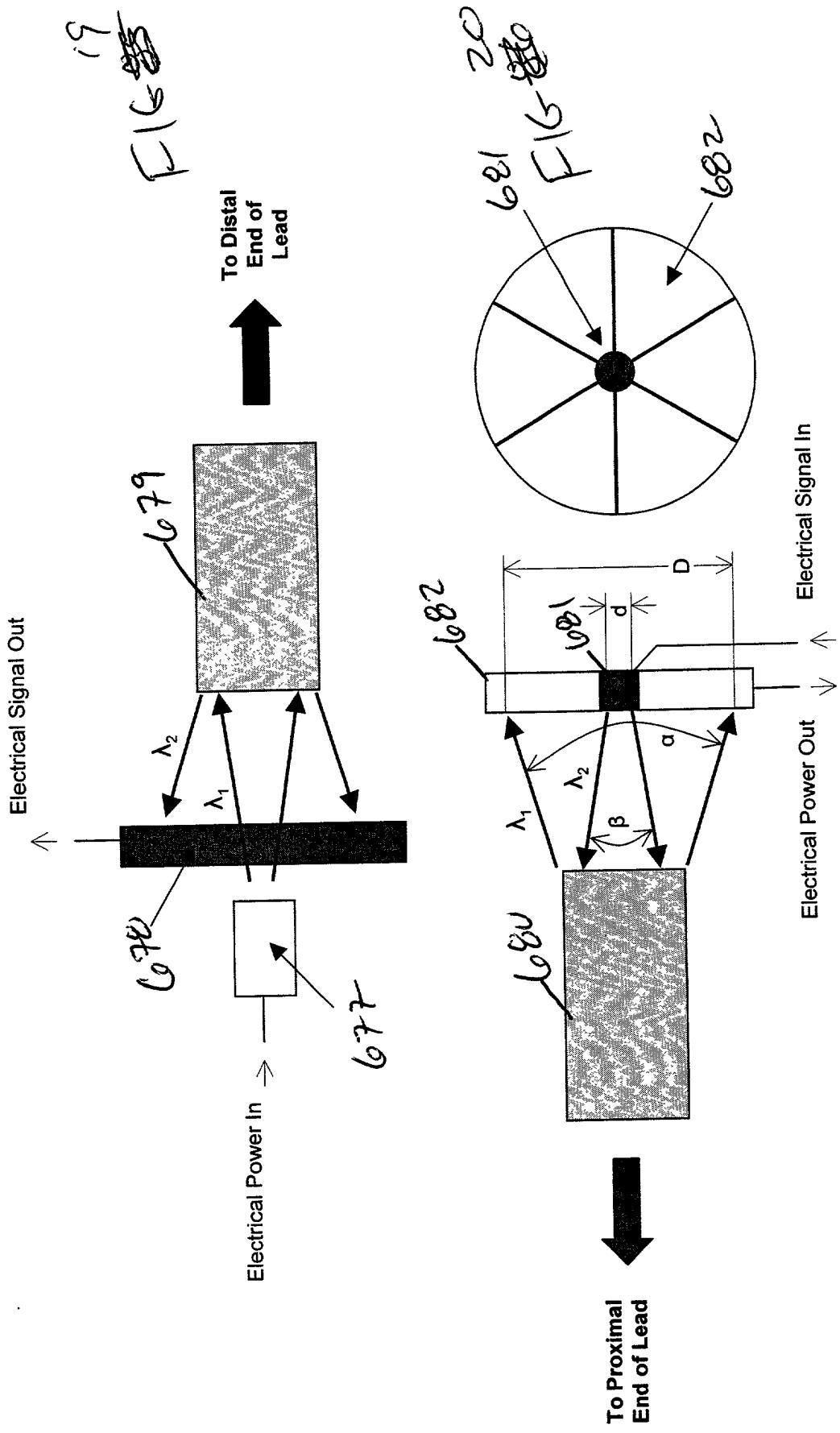
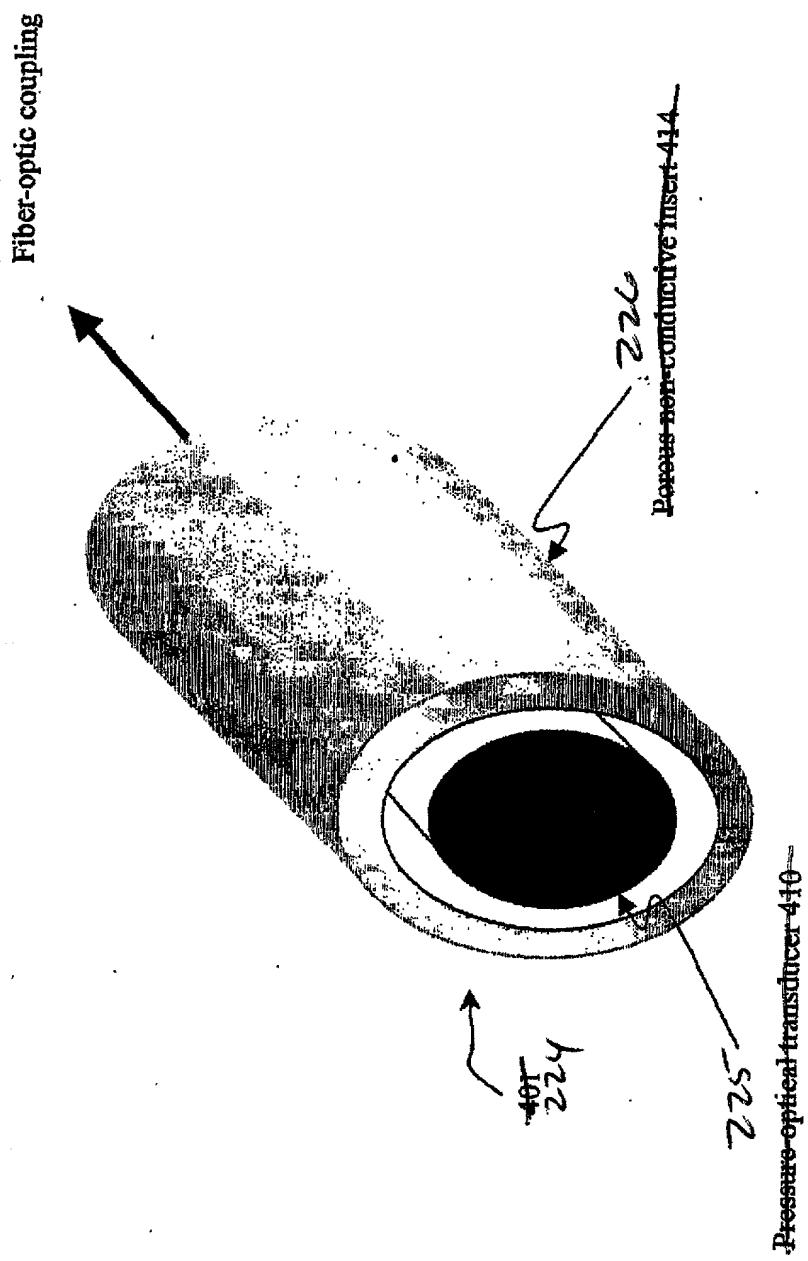


Fig. 21



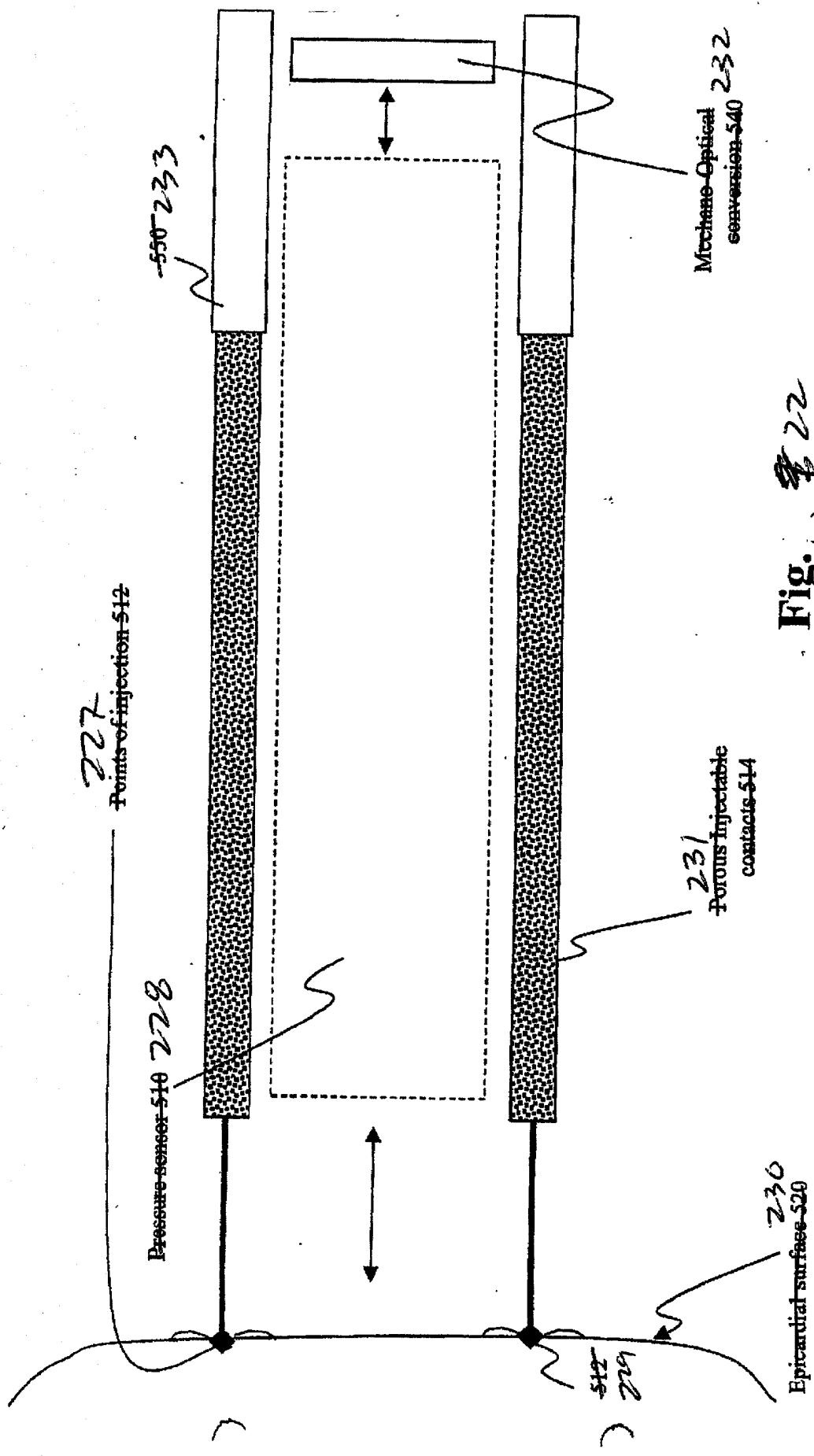


Fig. 22

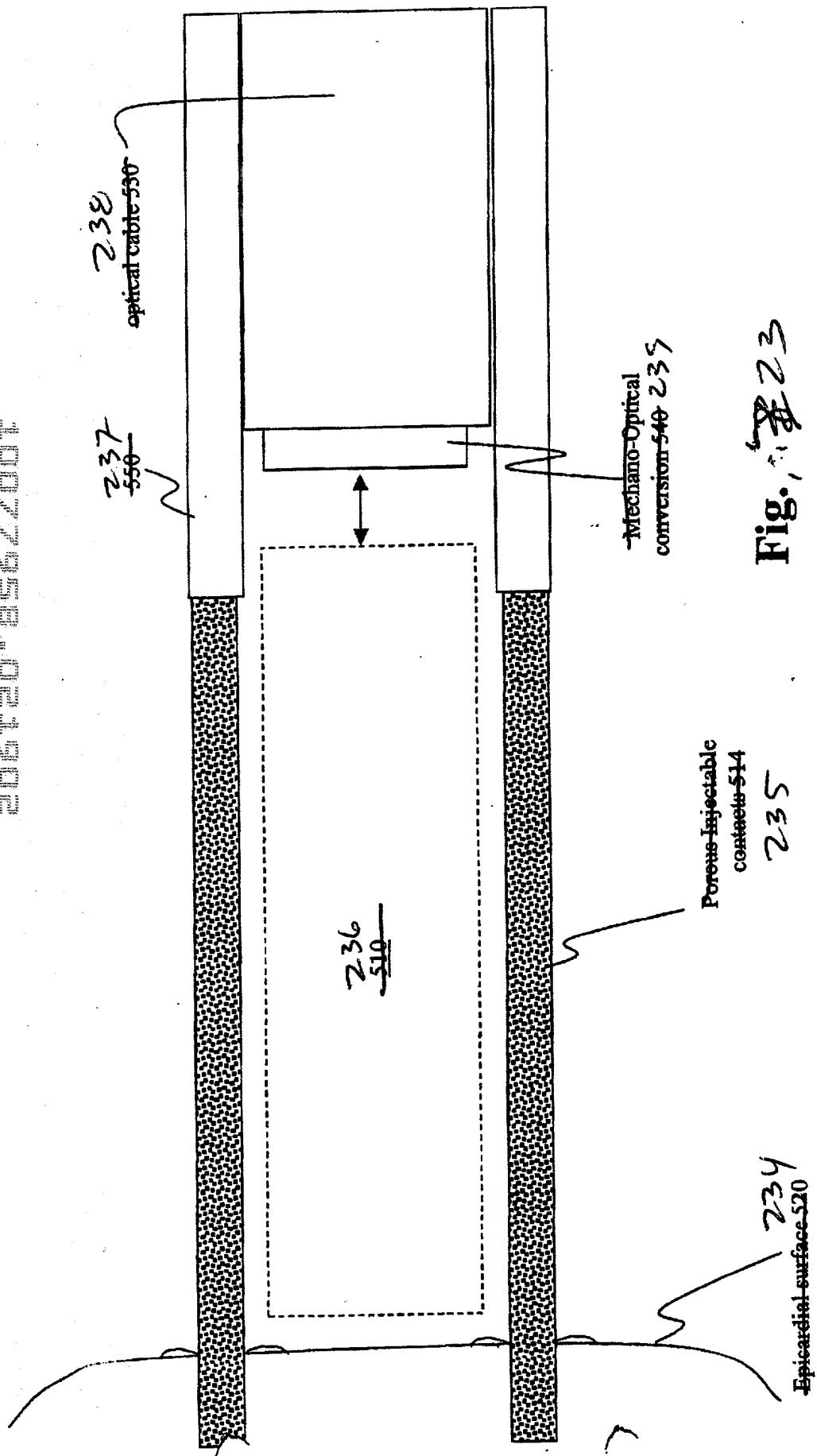


Fig. 23

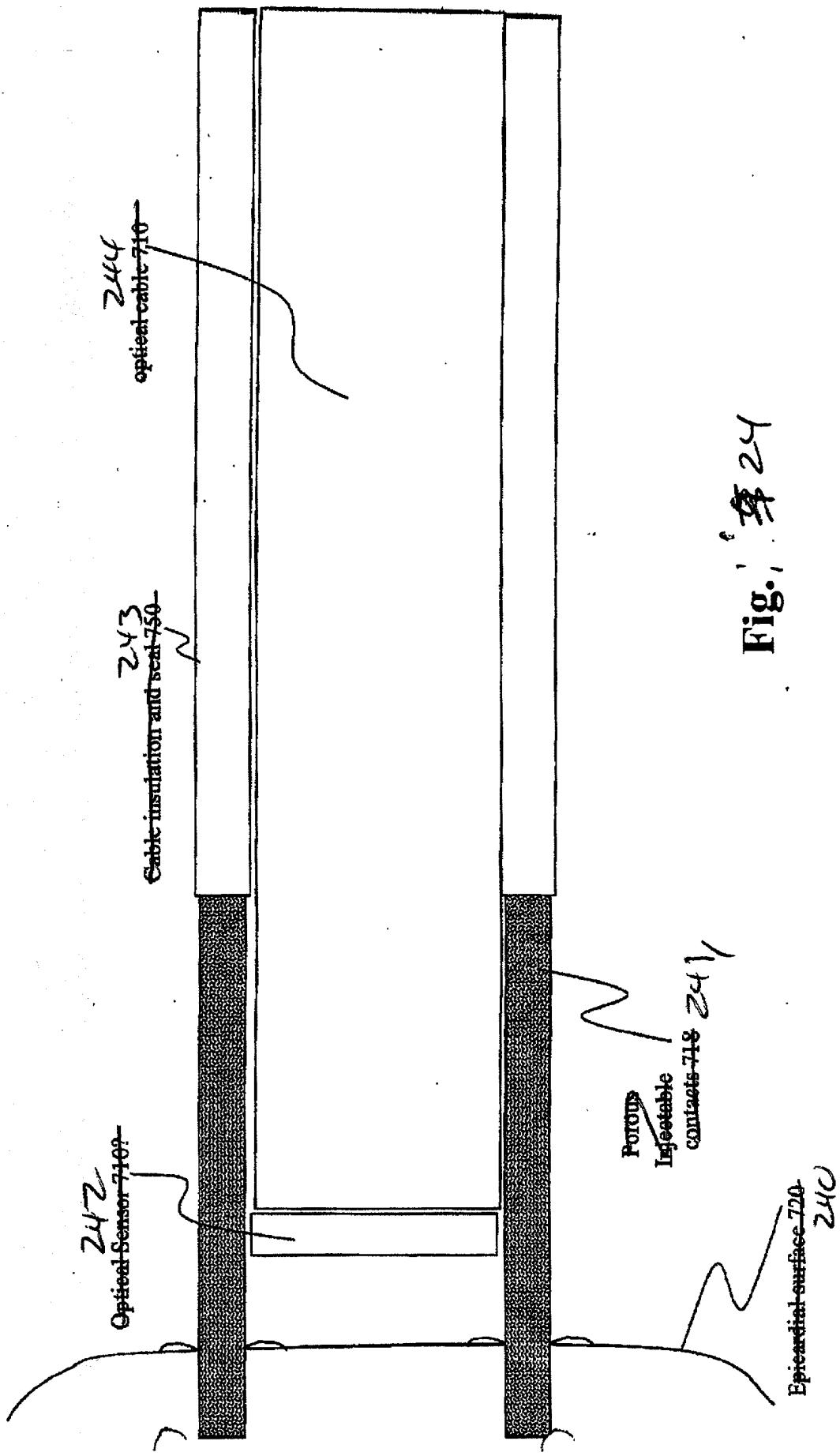


Fig. 24

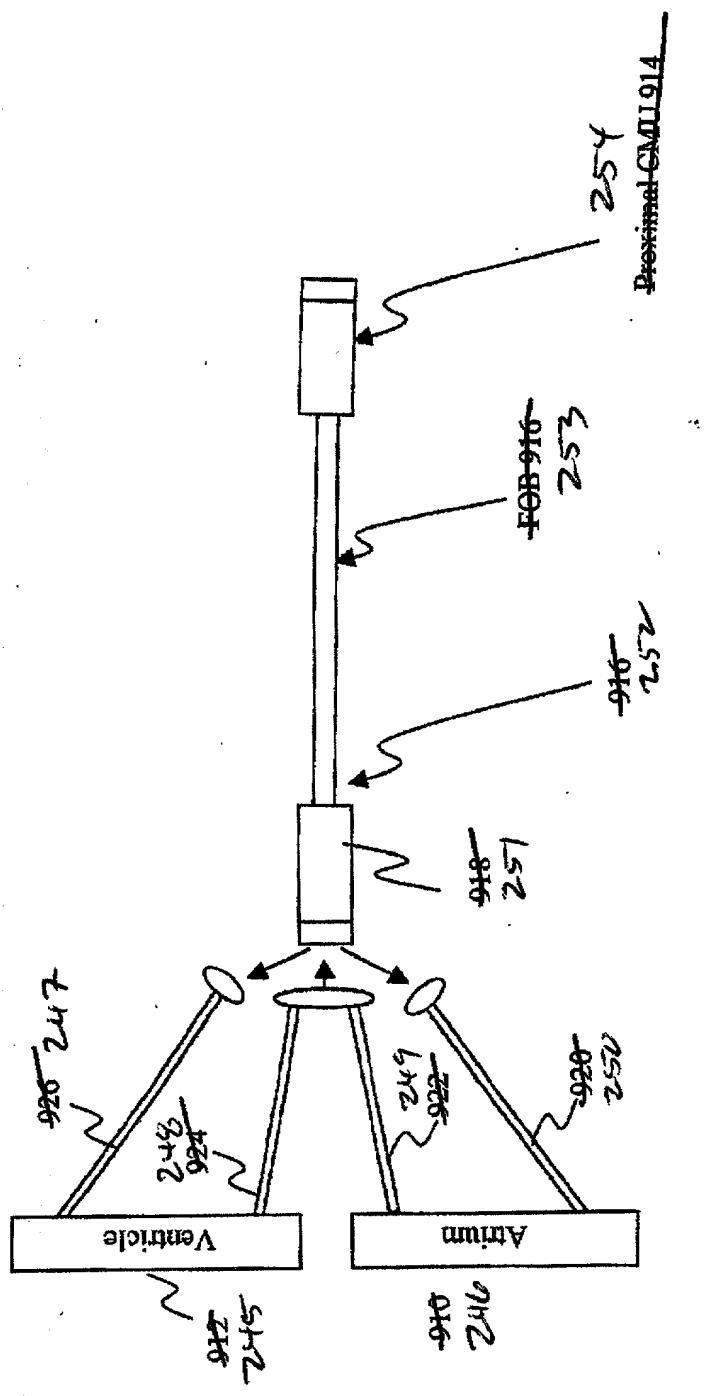


Fig. 125

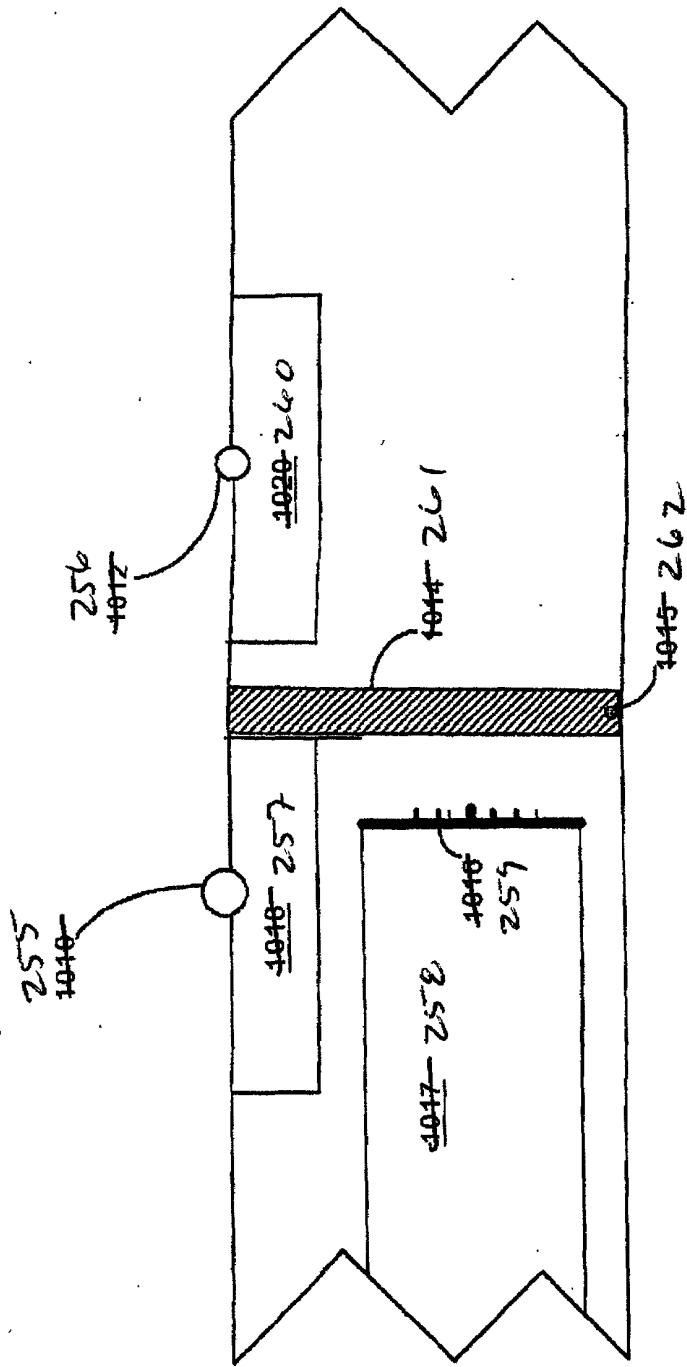
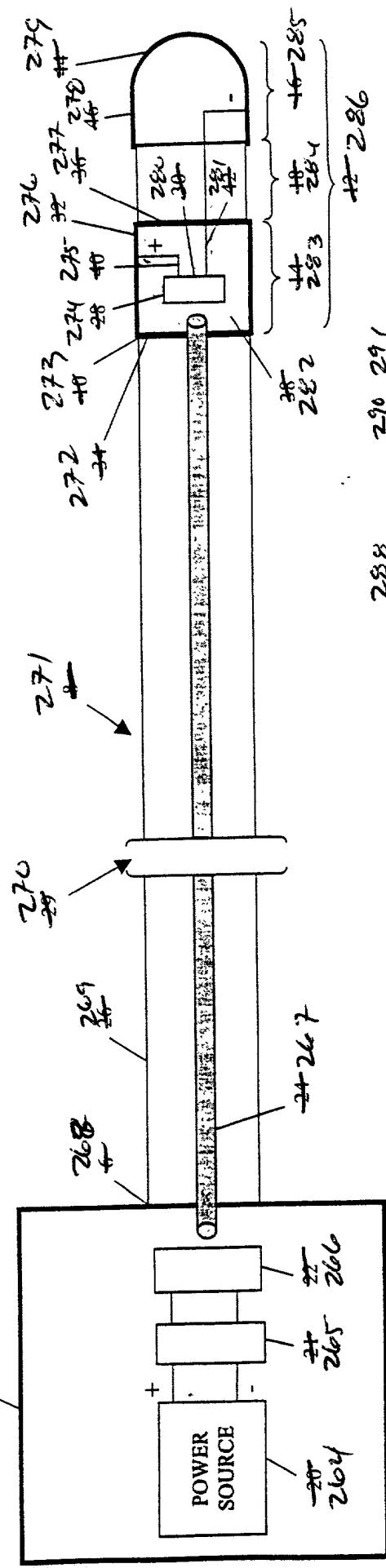


Fig. 20. - #<sup>2</sup>

FIG 27

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FIG. 2828

42-294

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245 246 247 248

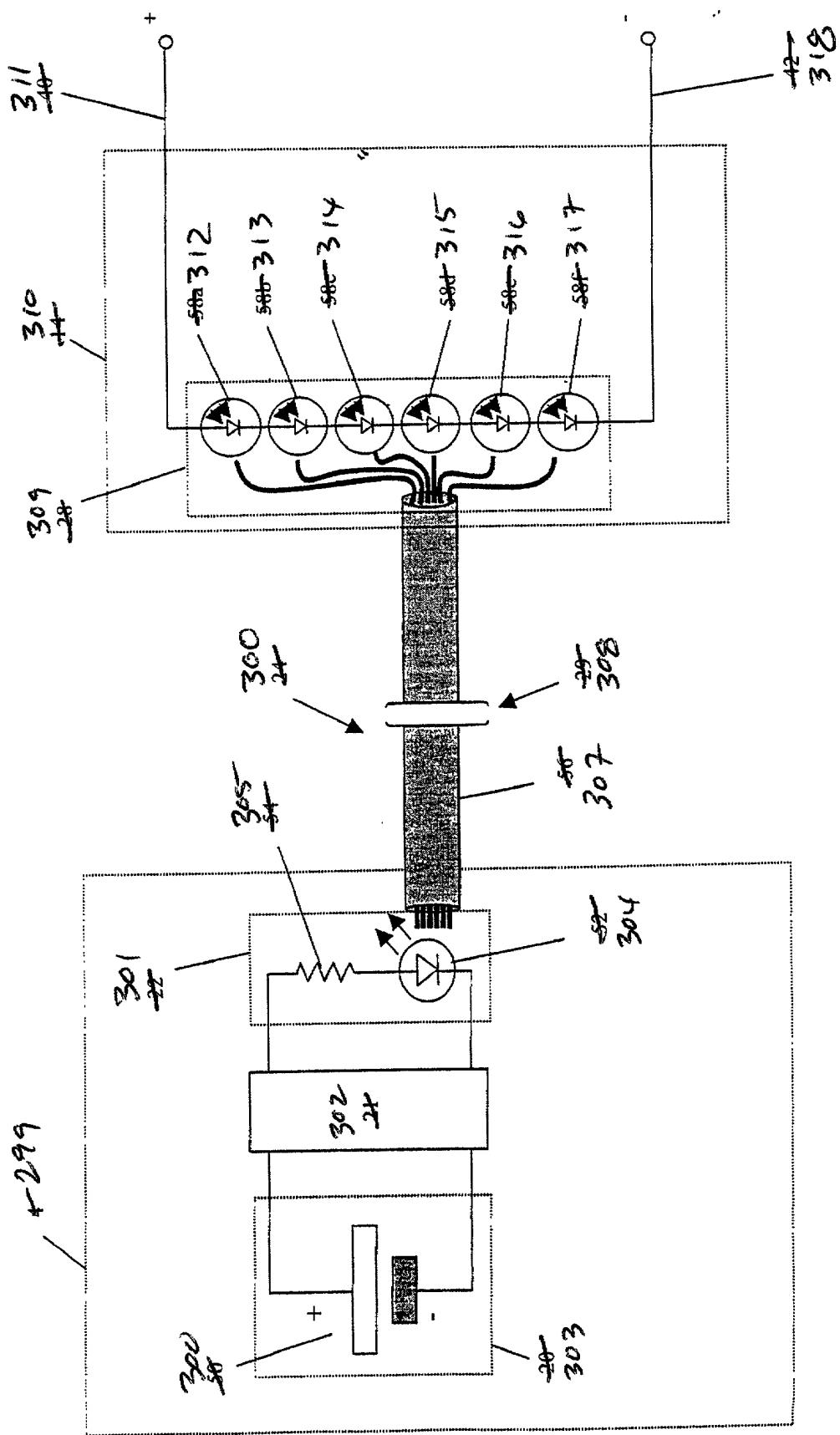
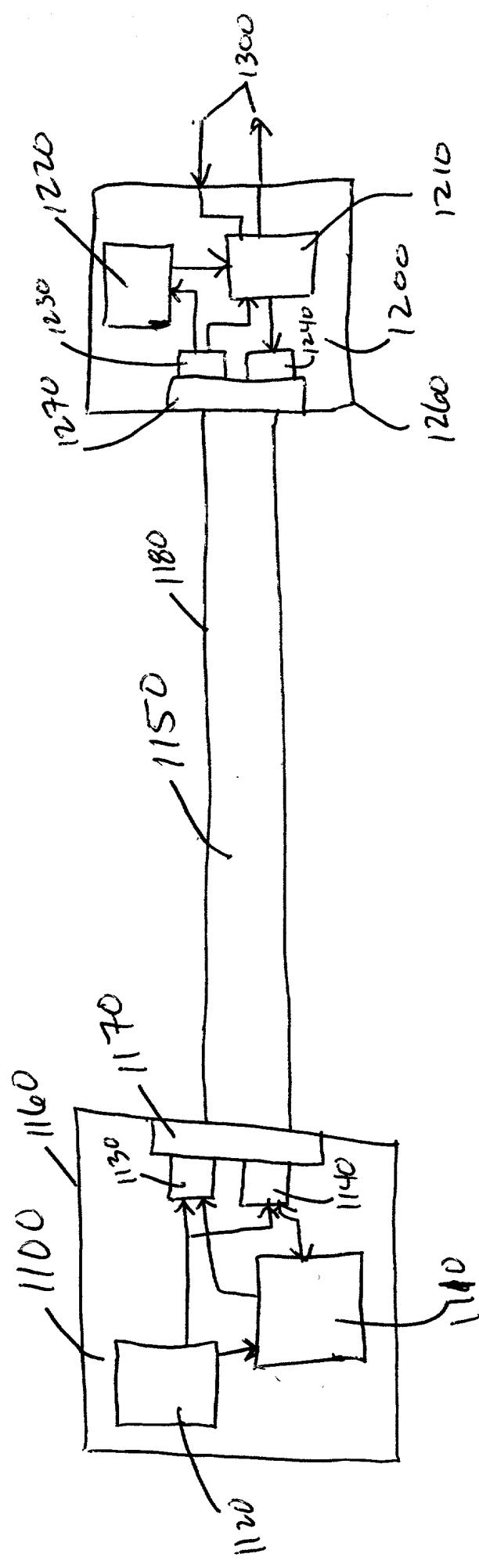
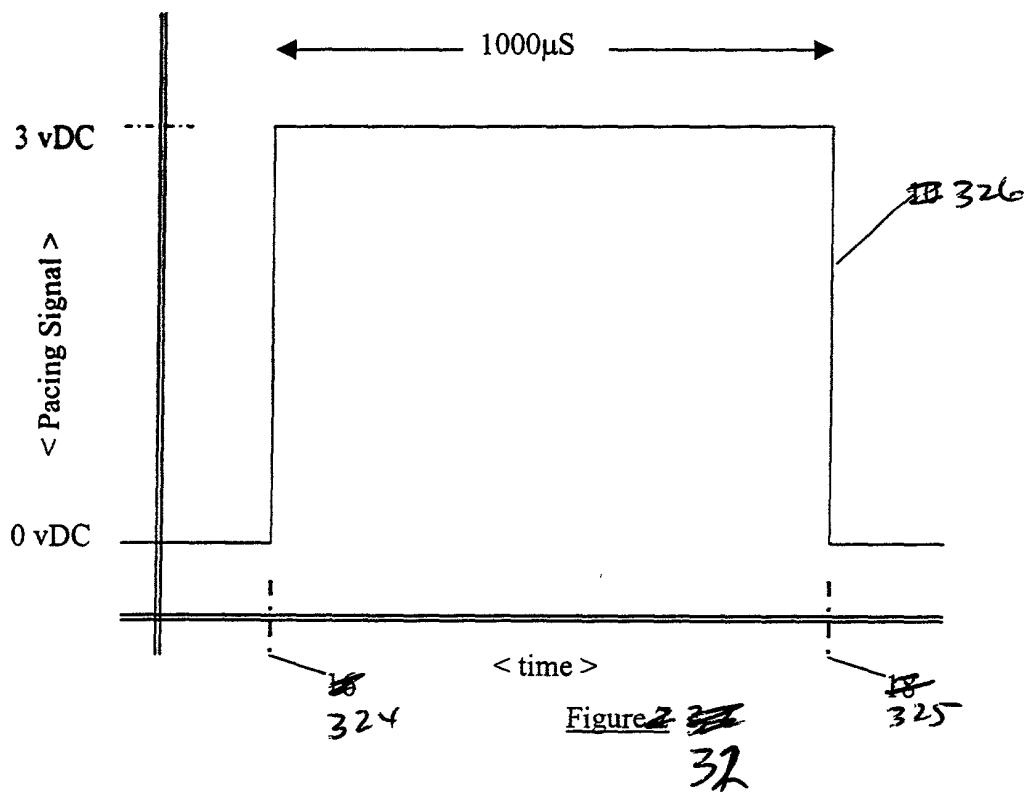
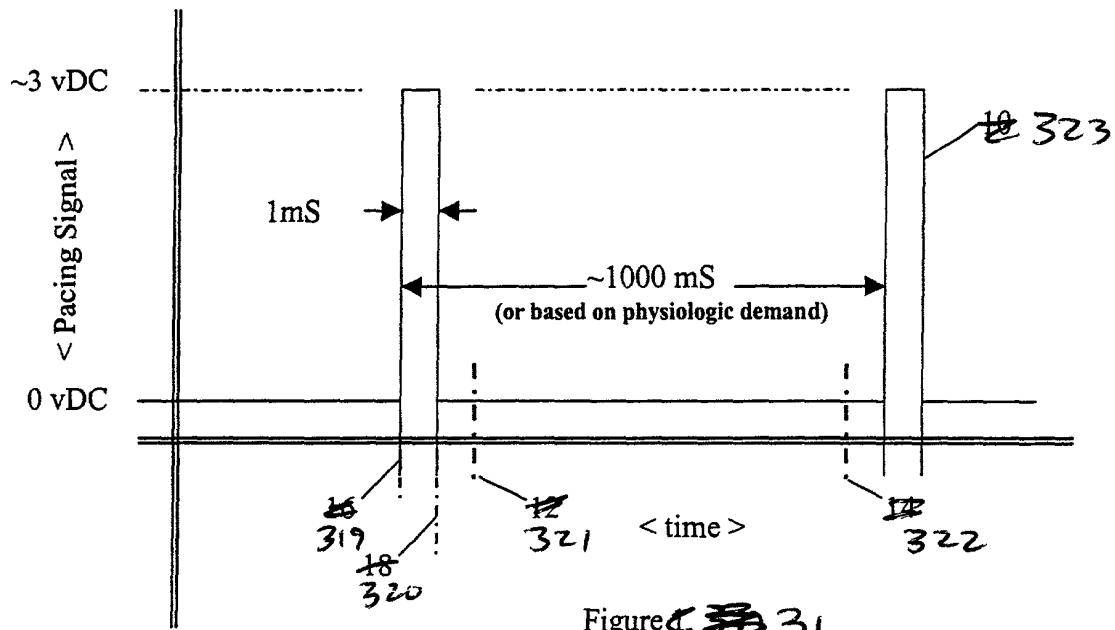


FIG. 29



## FIGURE 30



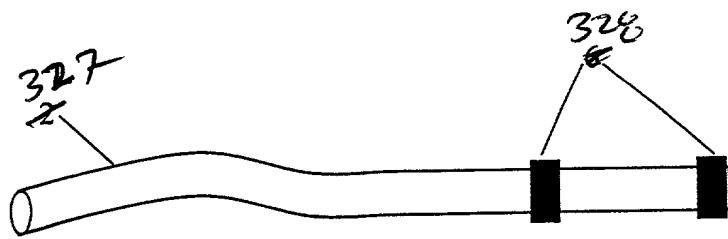


Figure ~~32~~ 33

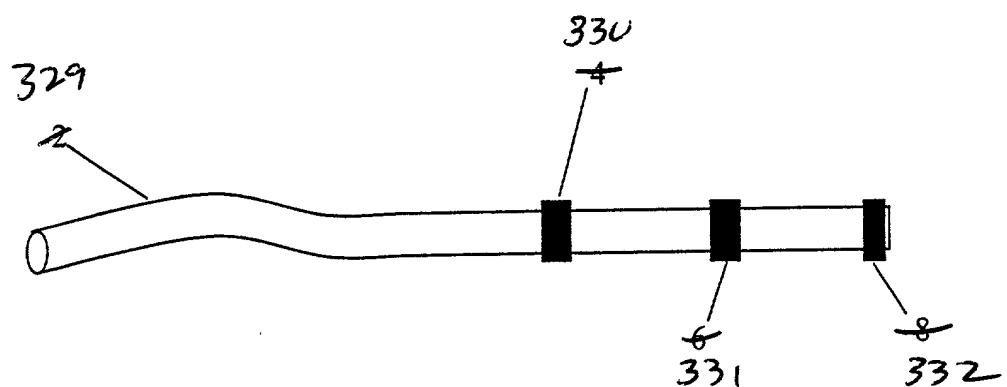


Figure ~~32~~ 34

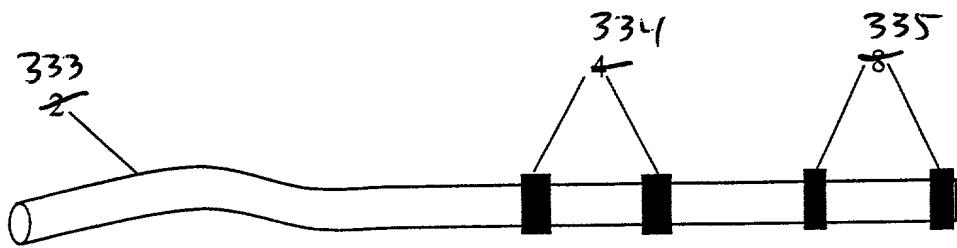


Figure ~~35~~ 35

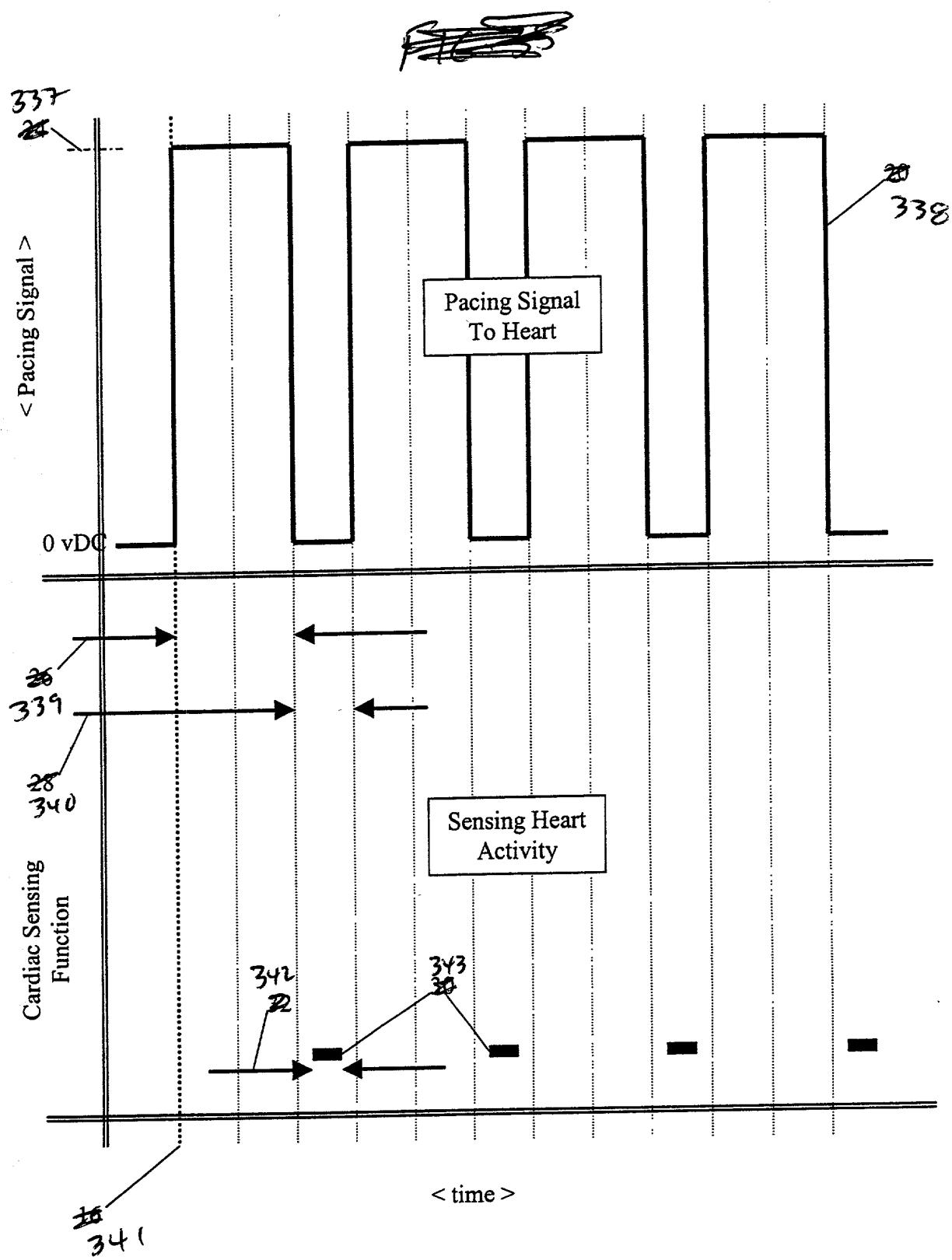


Figure 36

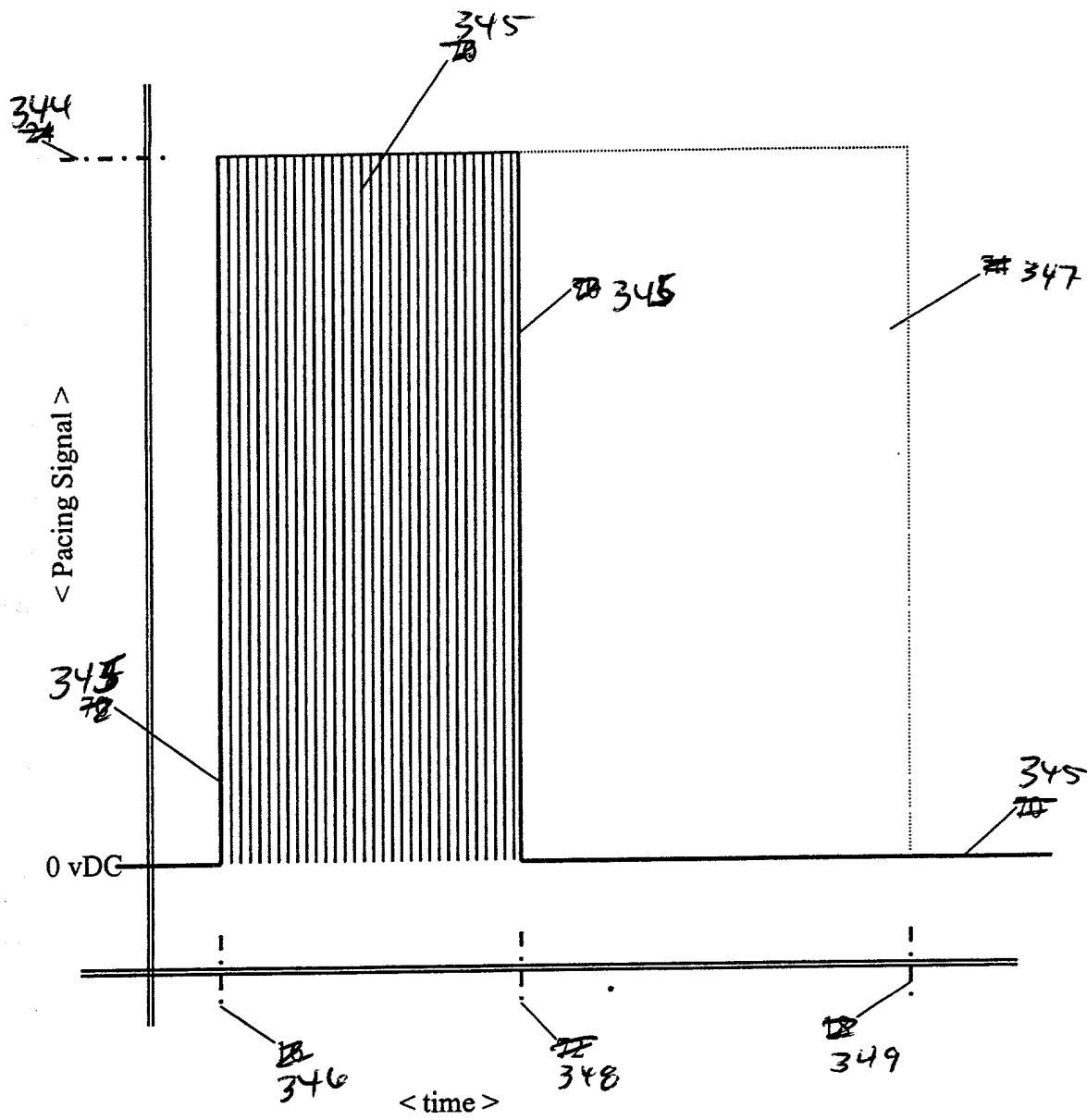


Figure 37

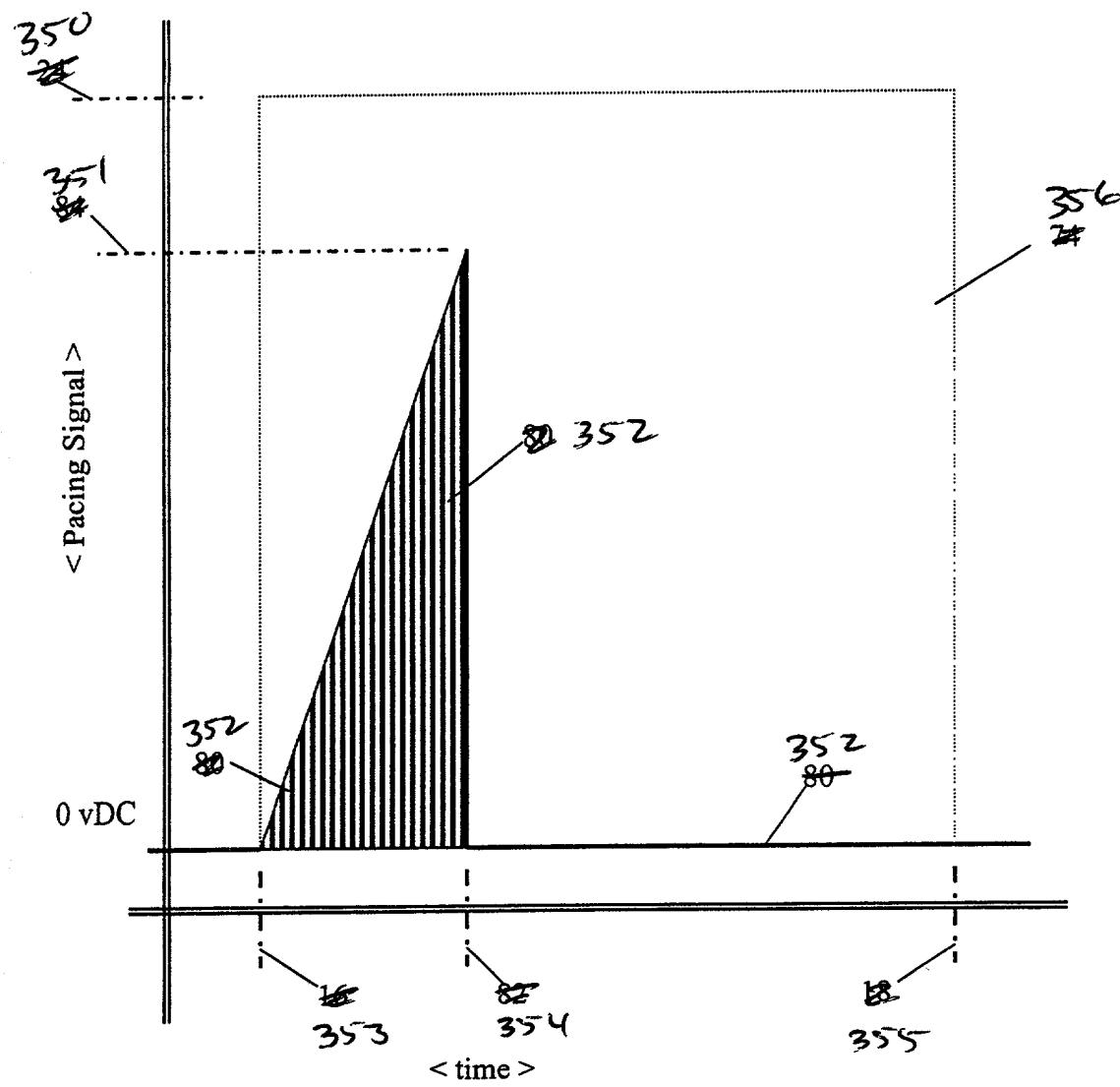


Figure 38

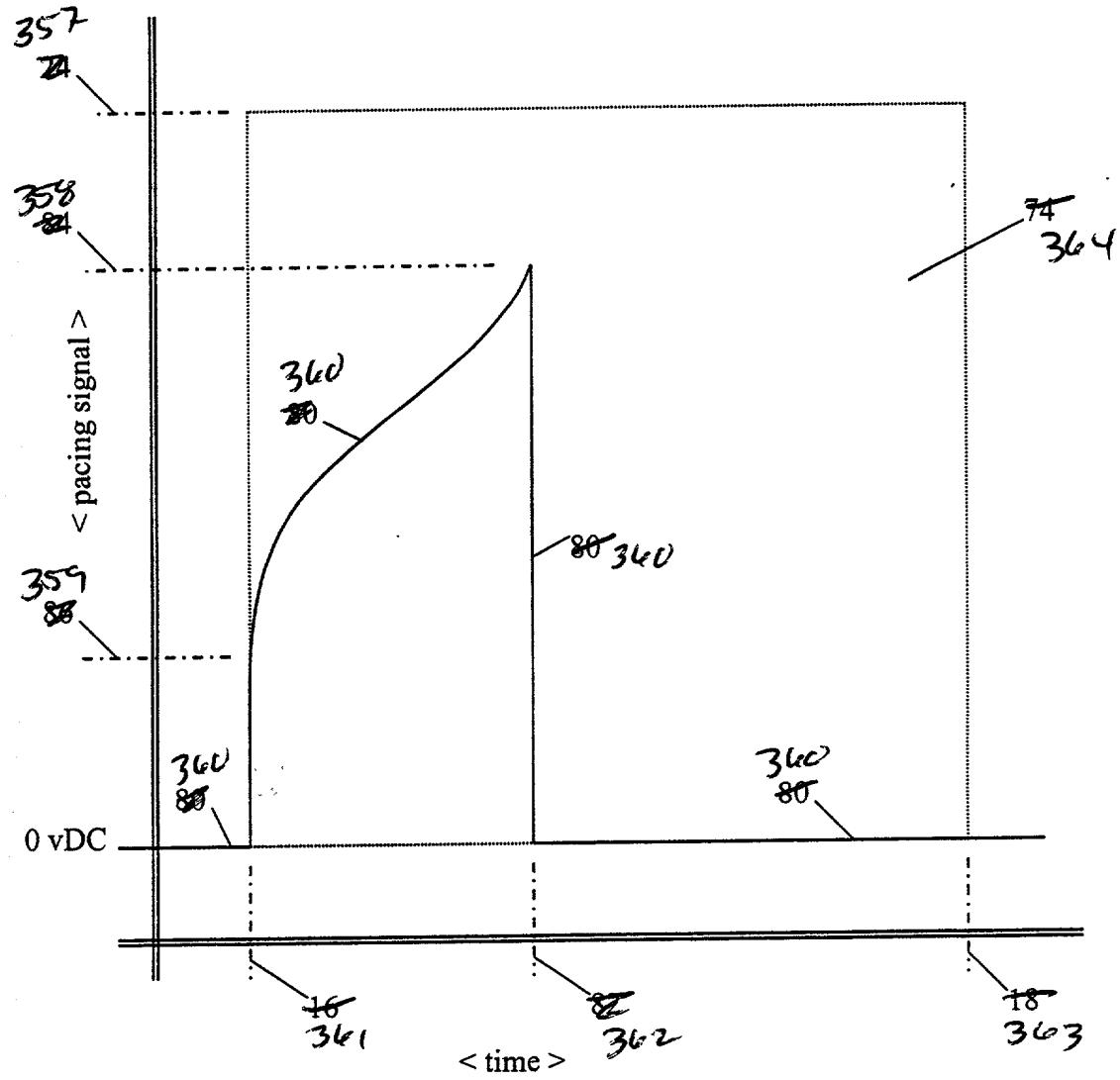


Figure 10 39

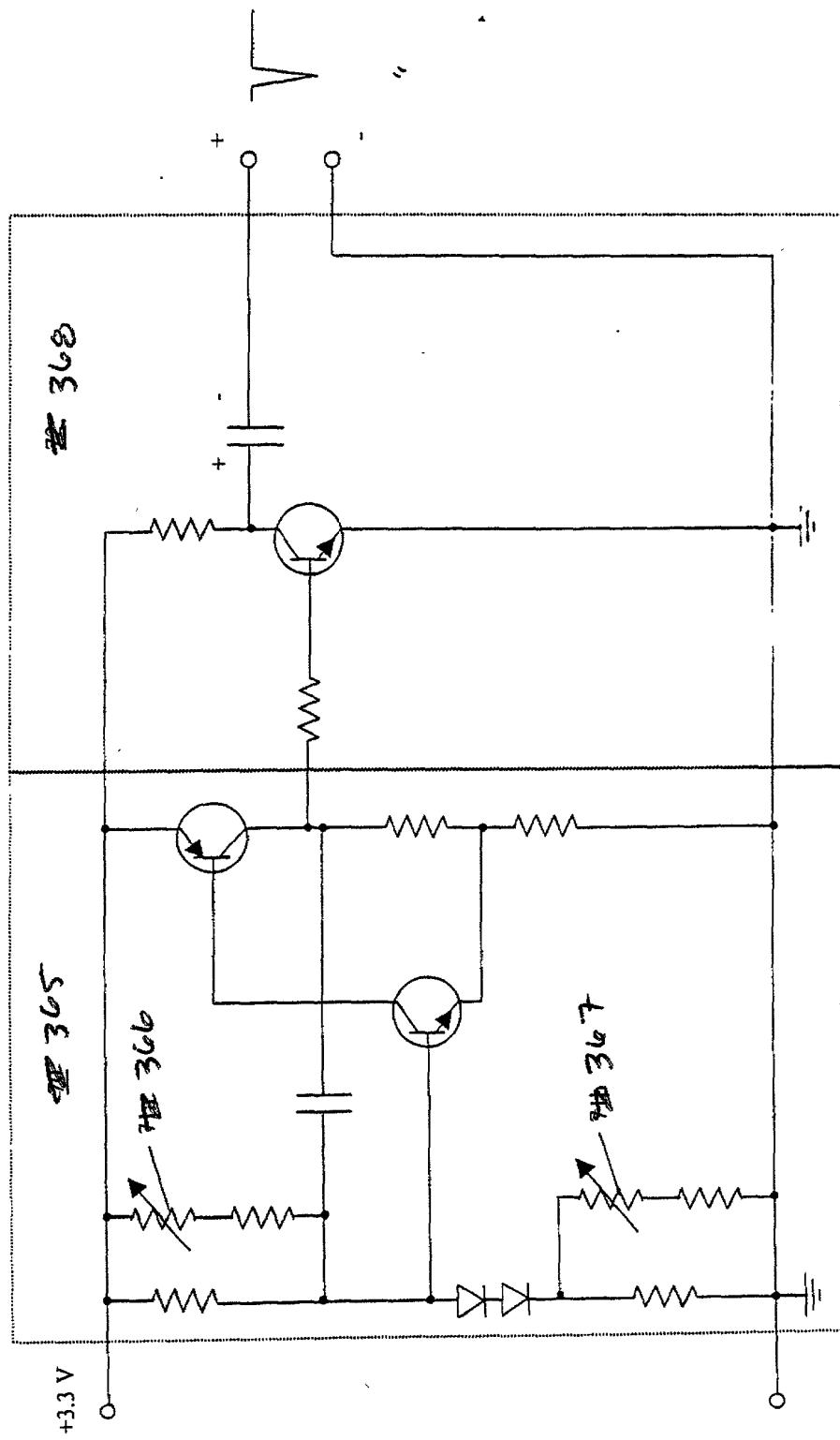


FIG. 40

$\#369$

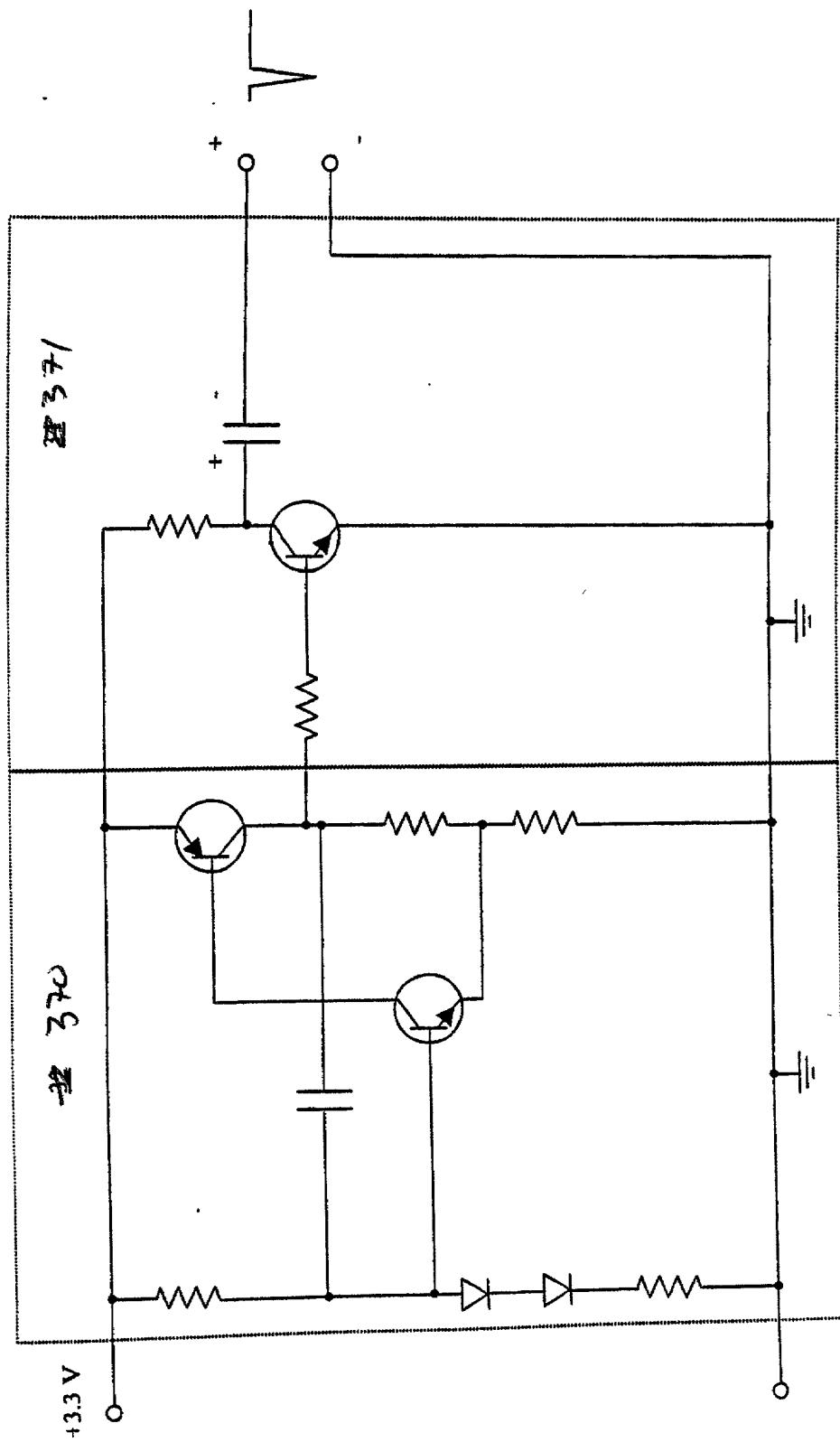


FIG. 341

372

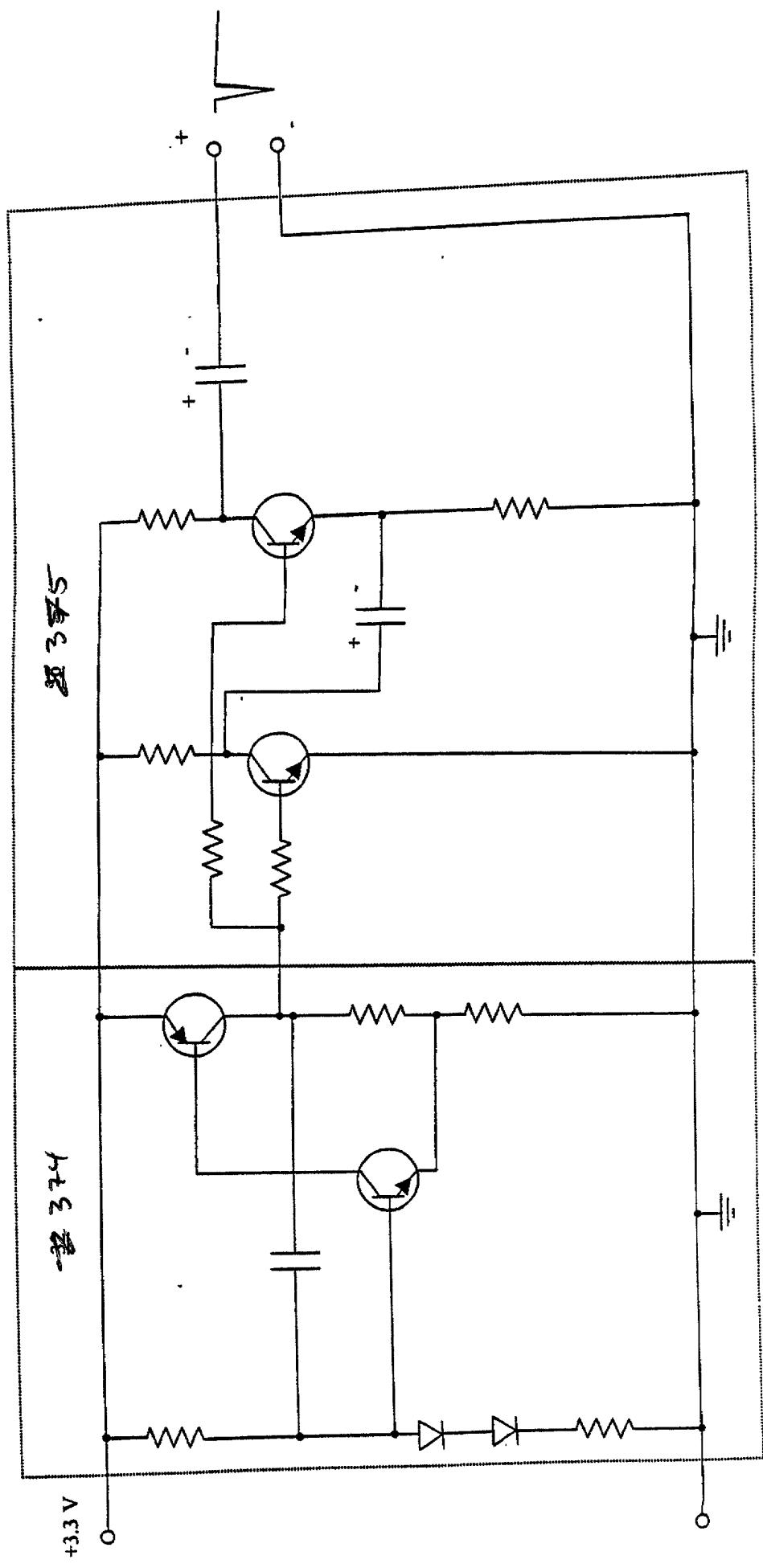


FIG. 442

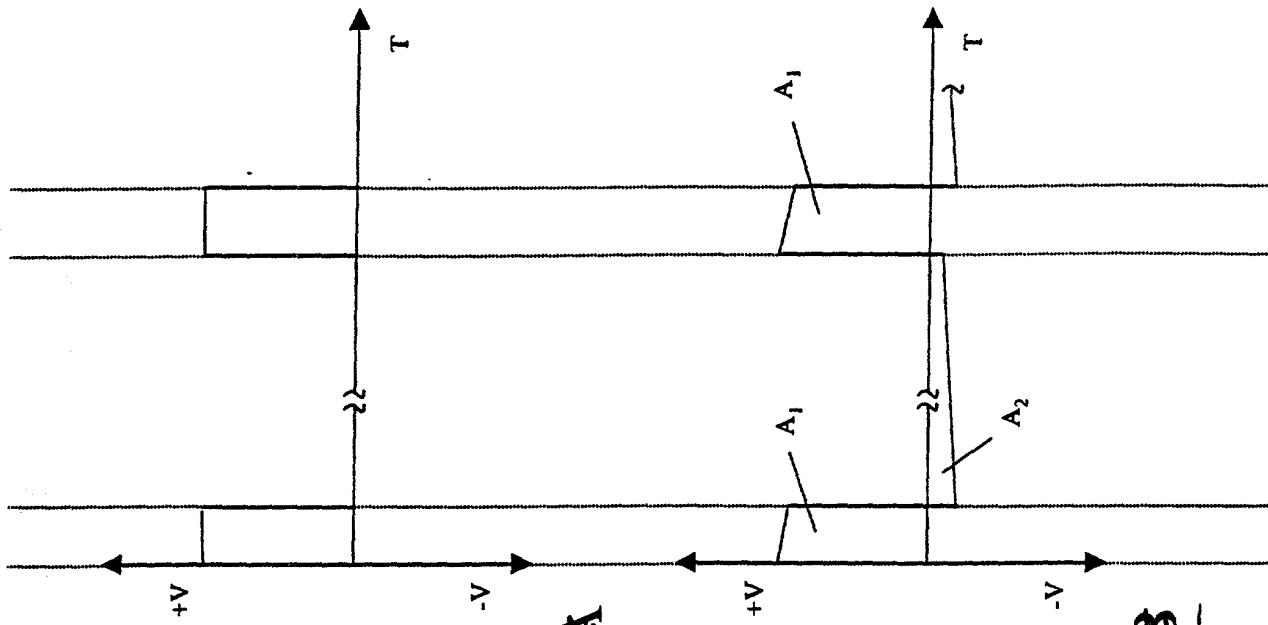


FIG. 6A

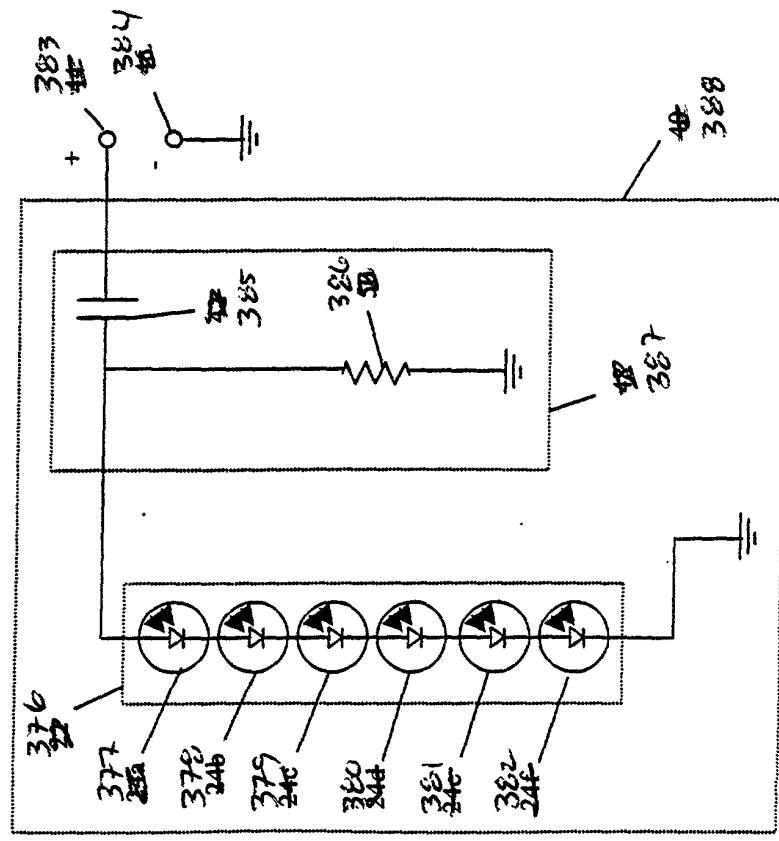
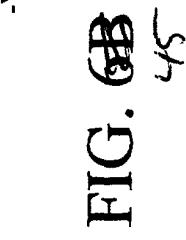


FIG. 843

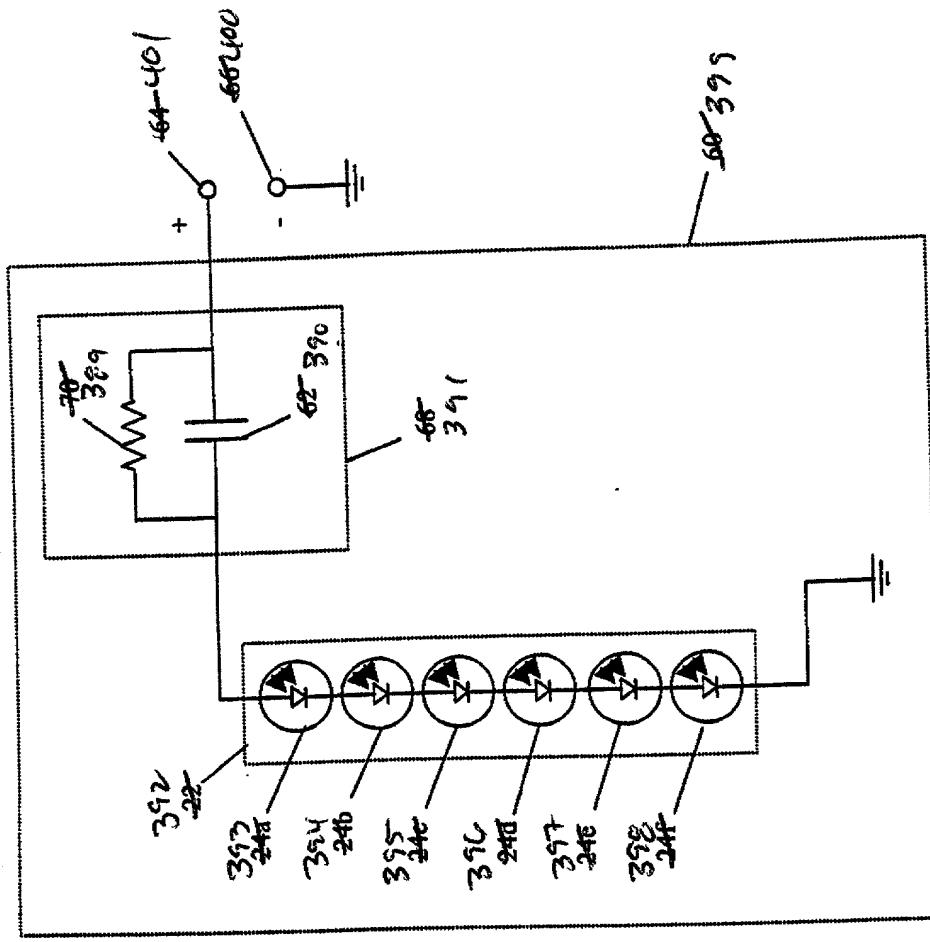


FIG. 346

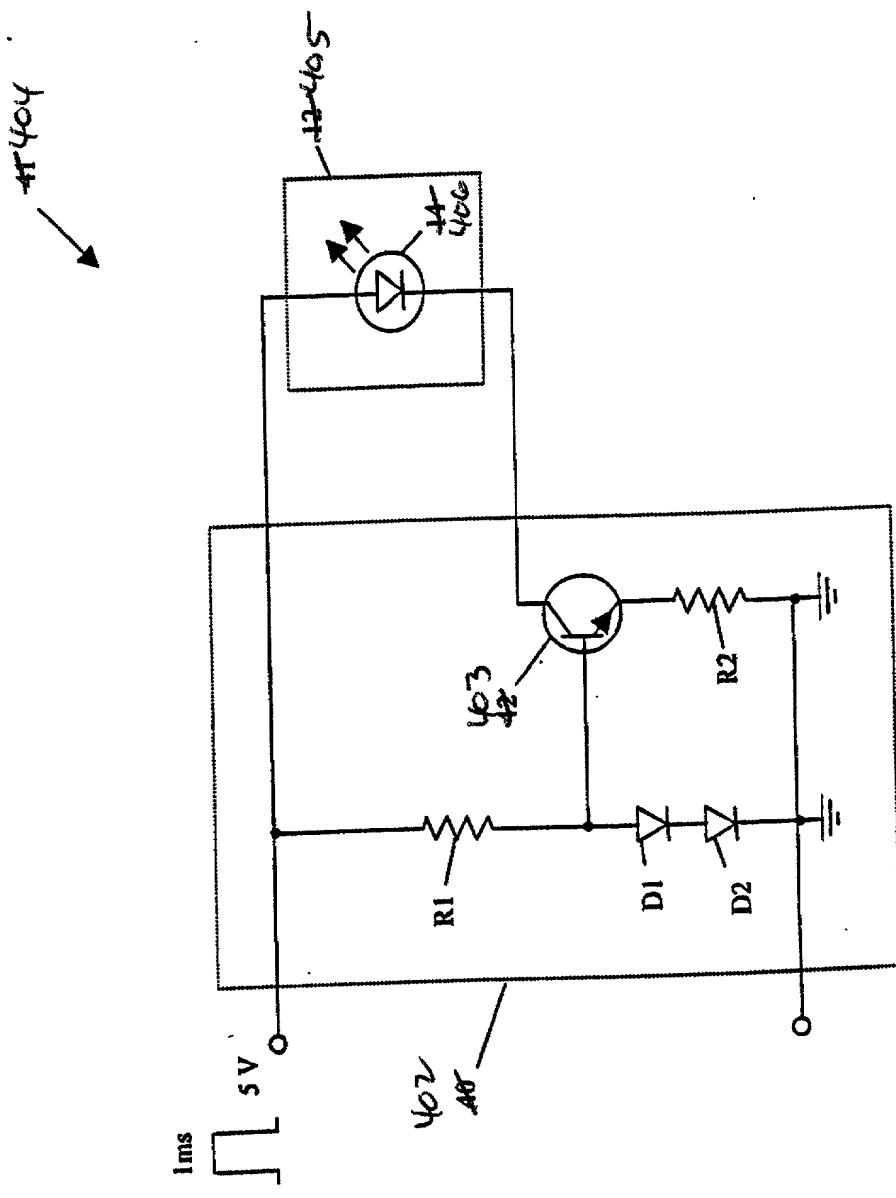


FIG. 447

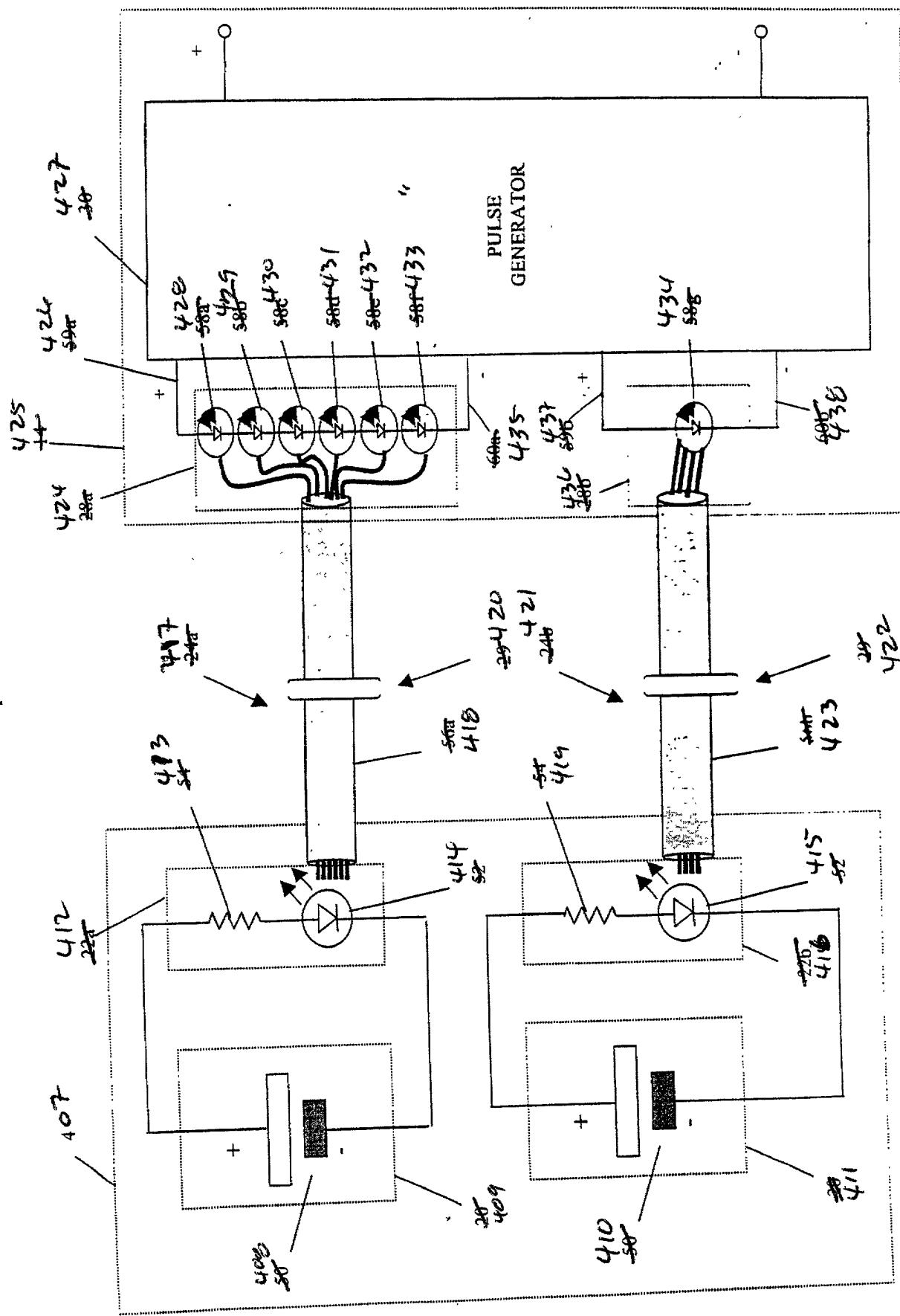


FIG. 348

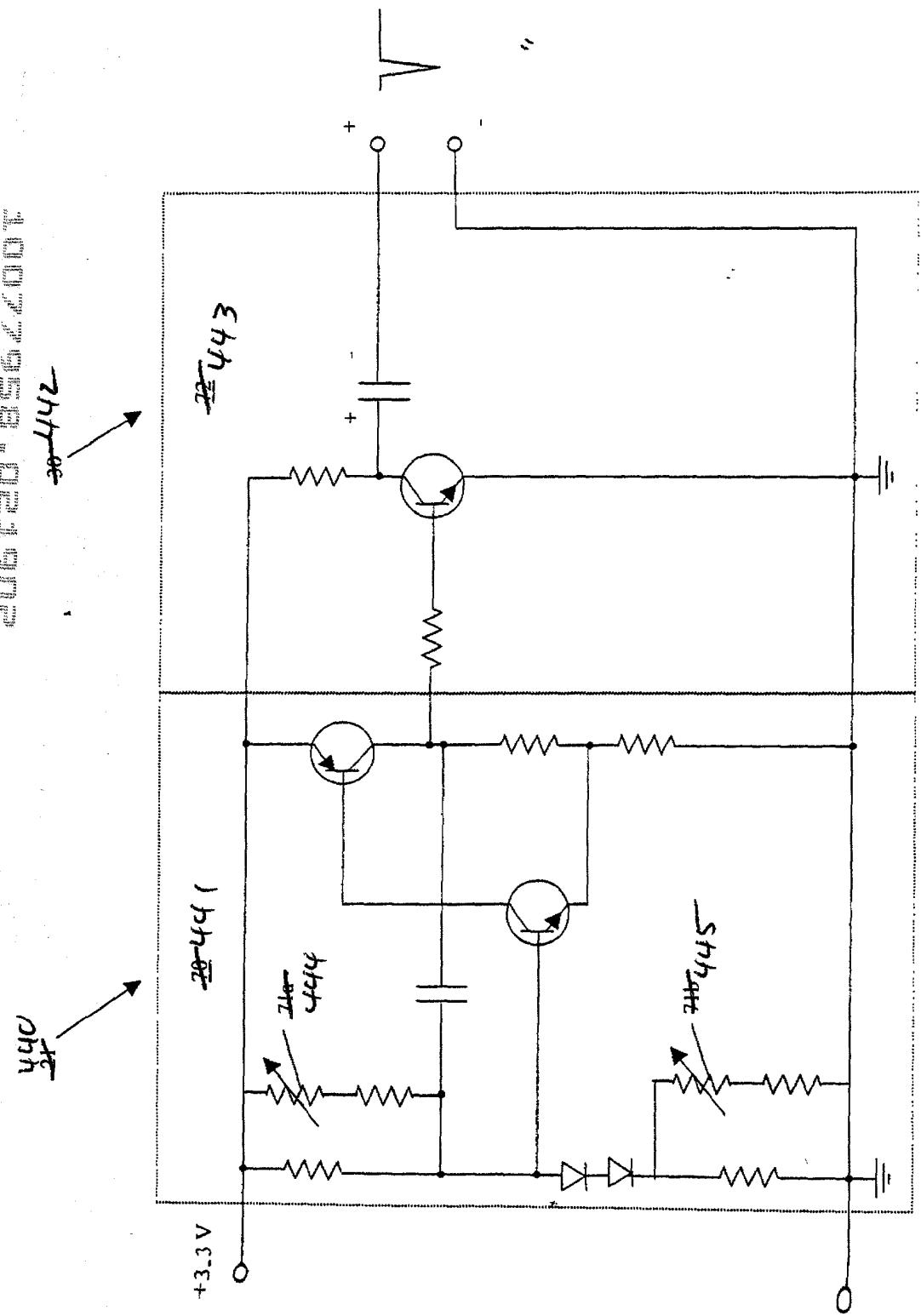


FIG. 449

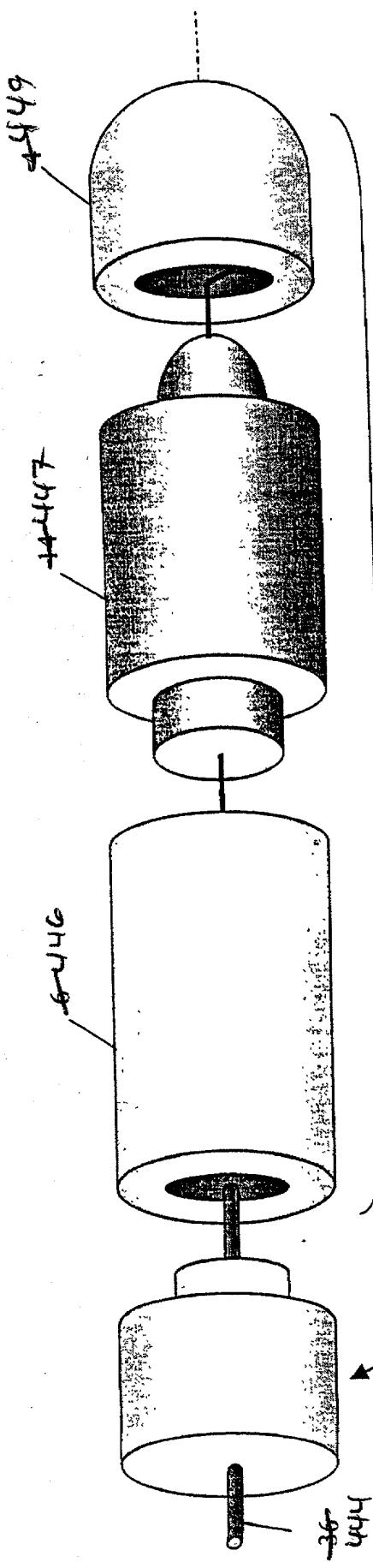


FIG. 252

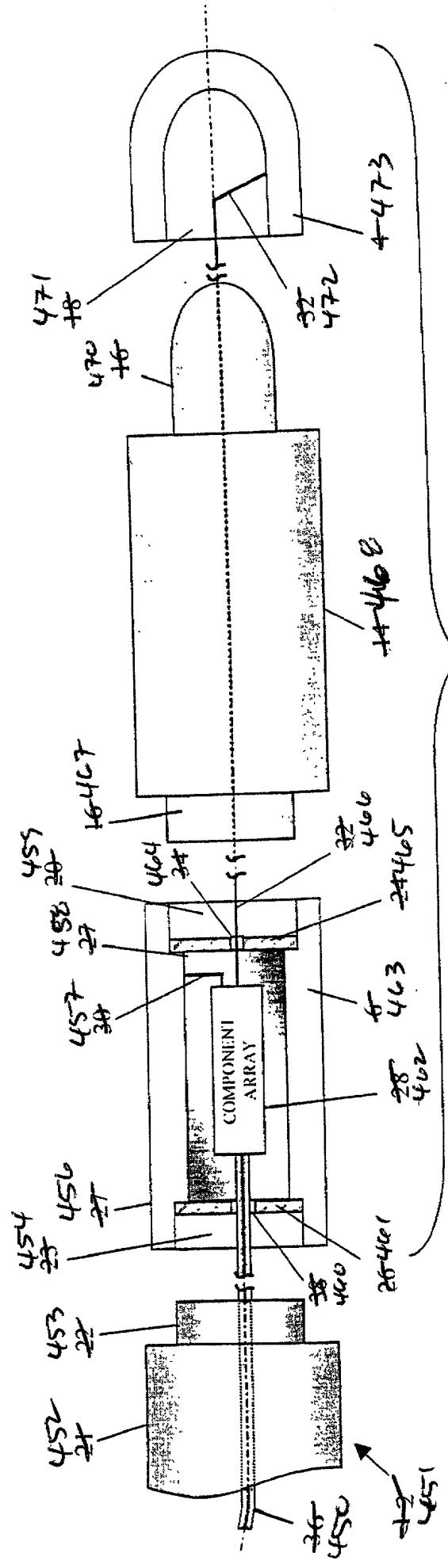


FIG. 22A5-1

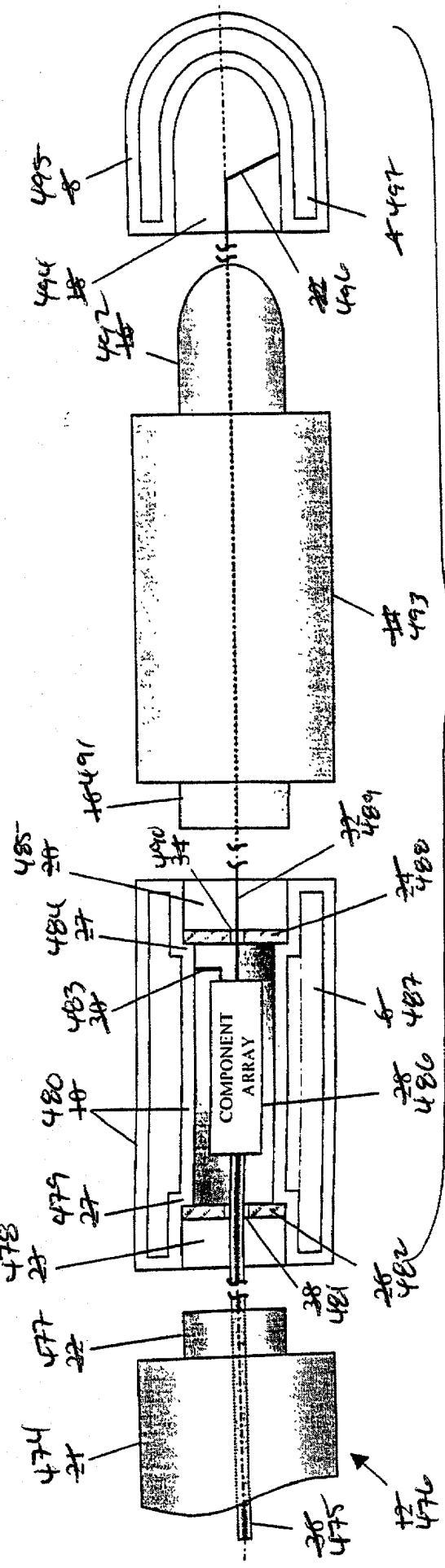


FIG. 2B.52

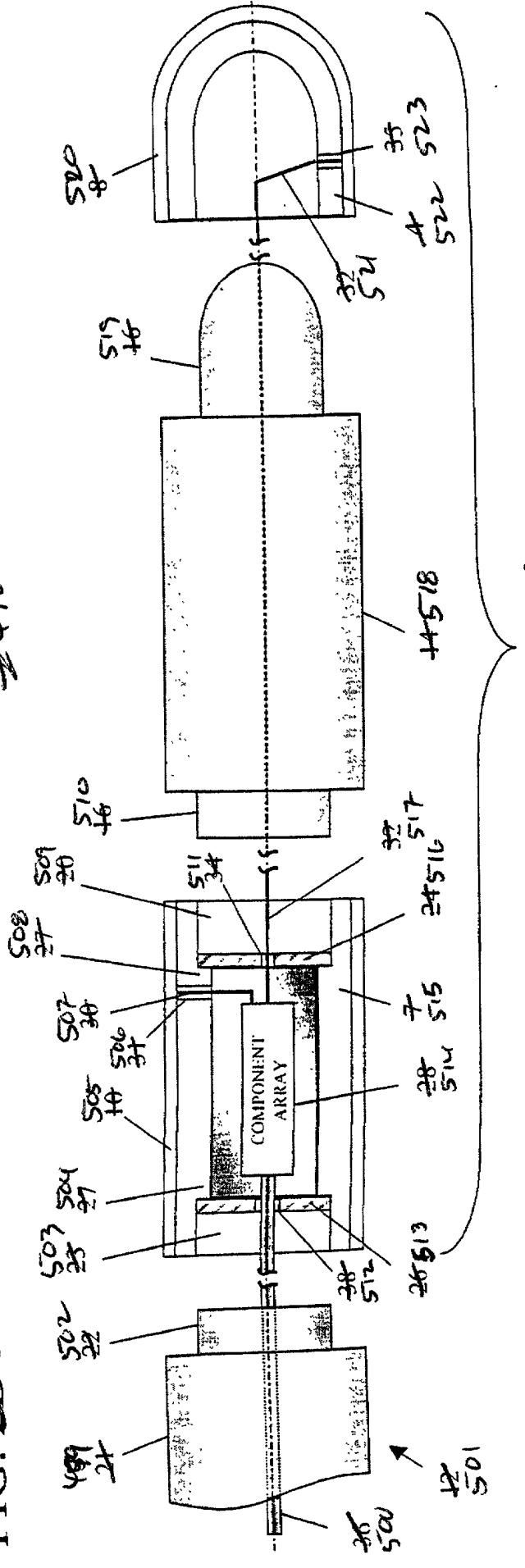


FIG. 2253

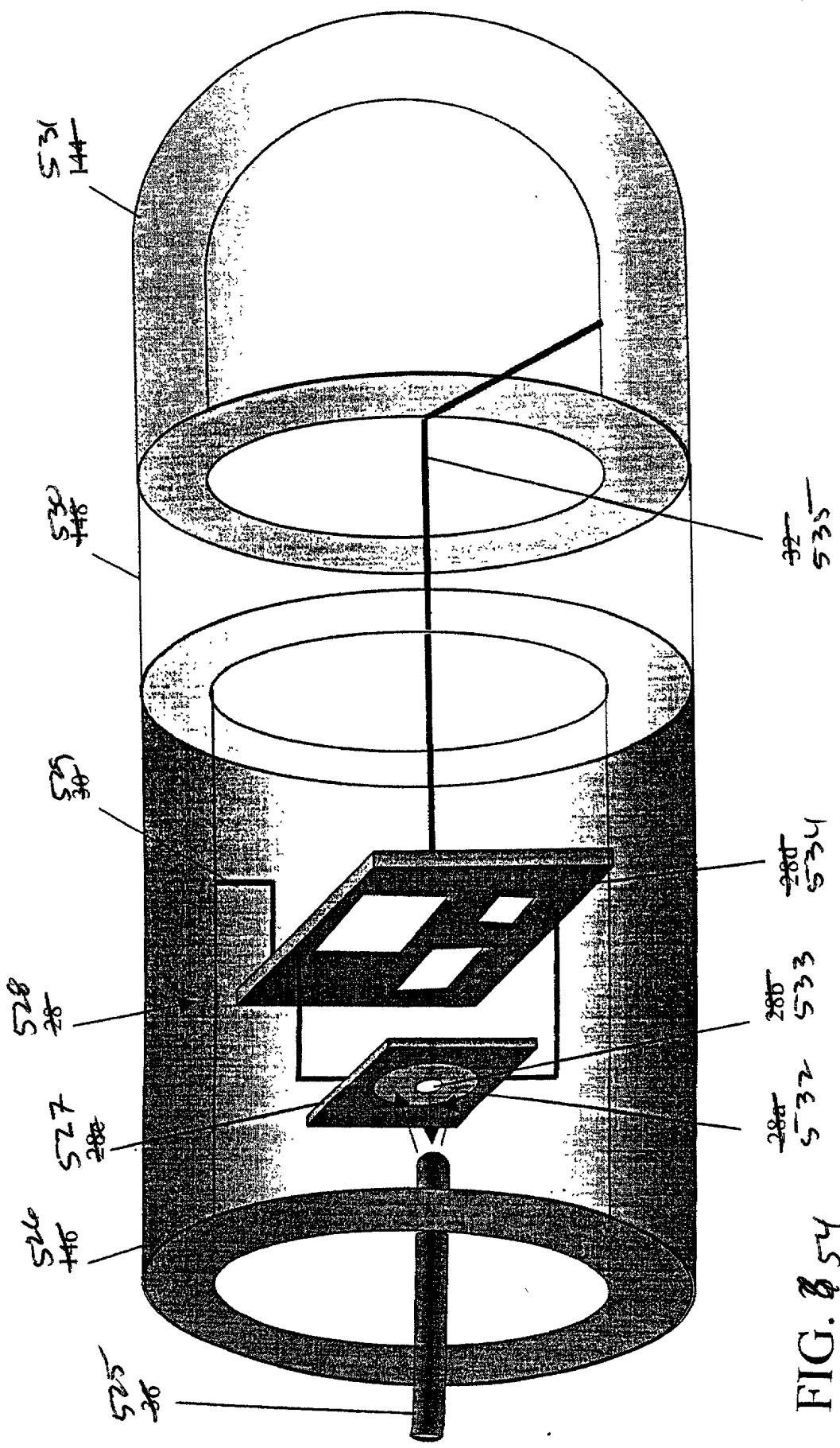


FIG. 854

2016112001 3325622001-44539

538

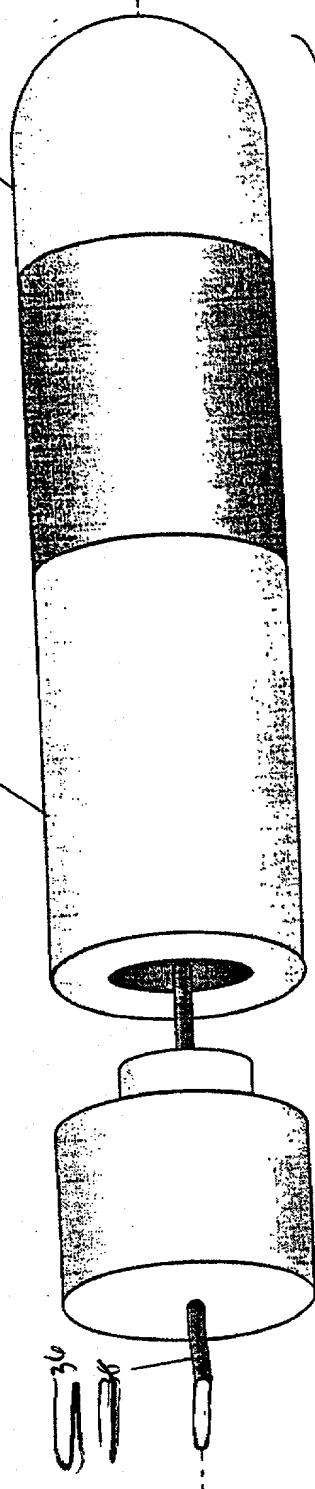


FIG. 455  
42537

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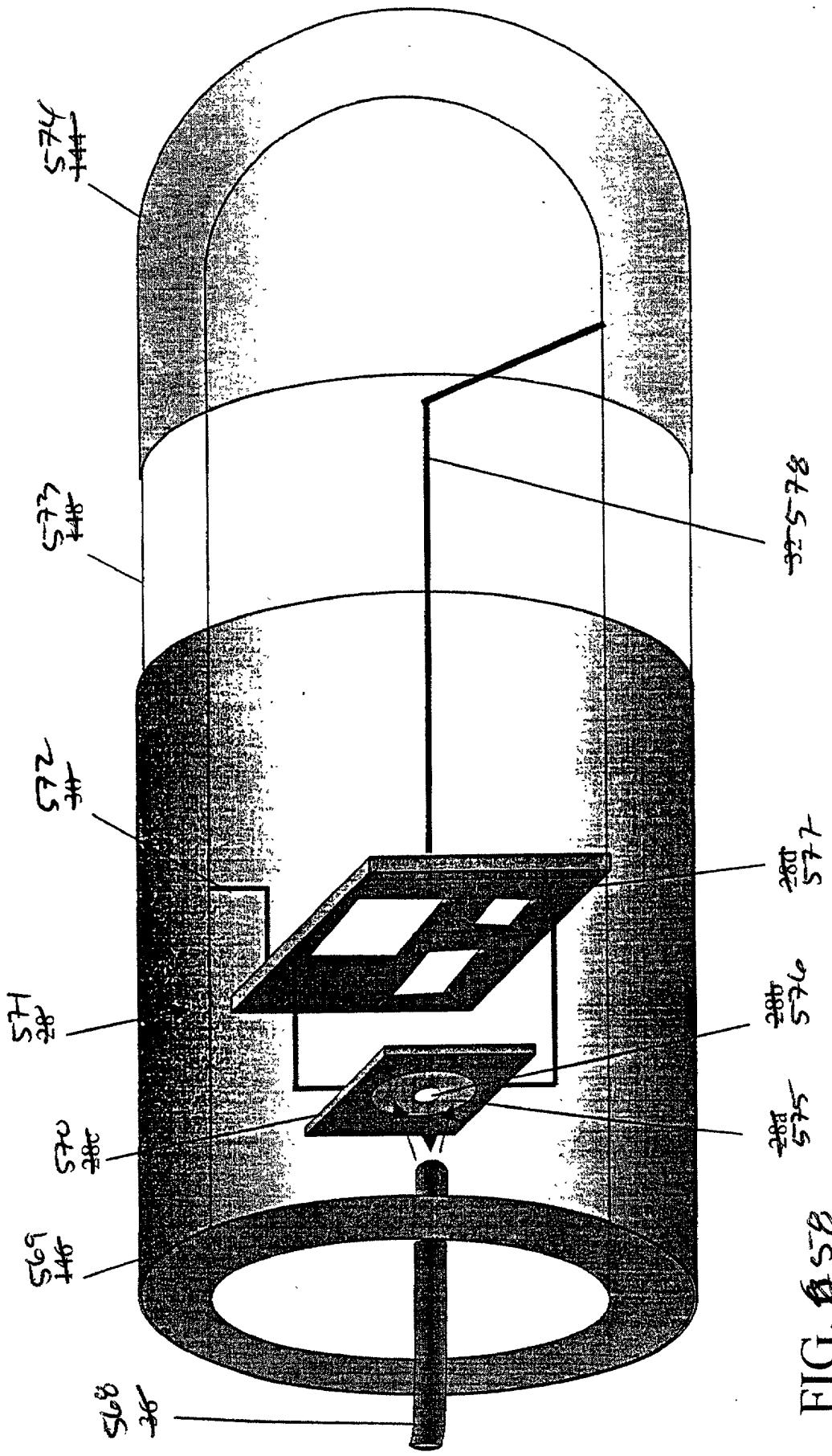


FIG. 58

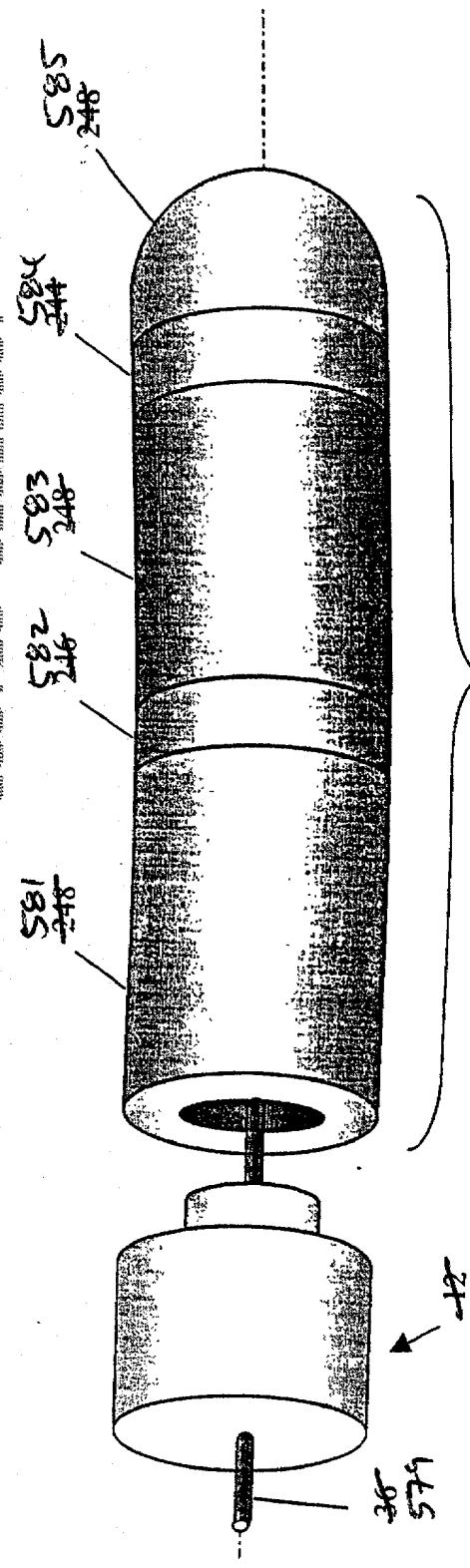


FIG. 25-9

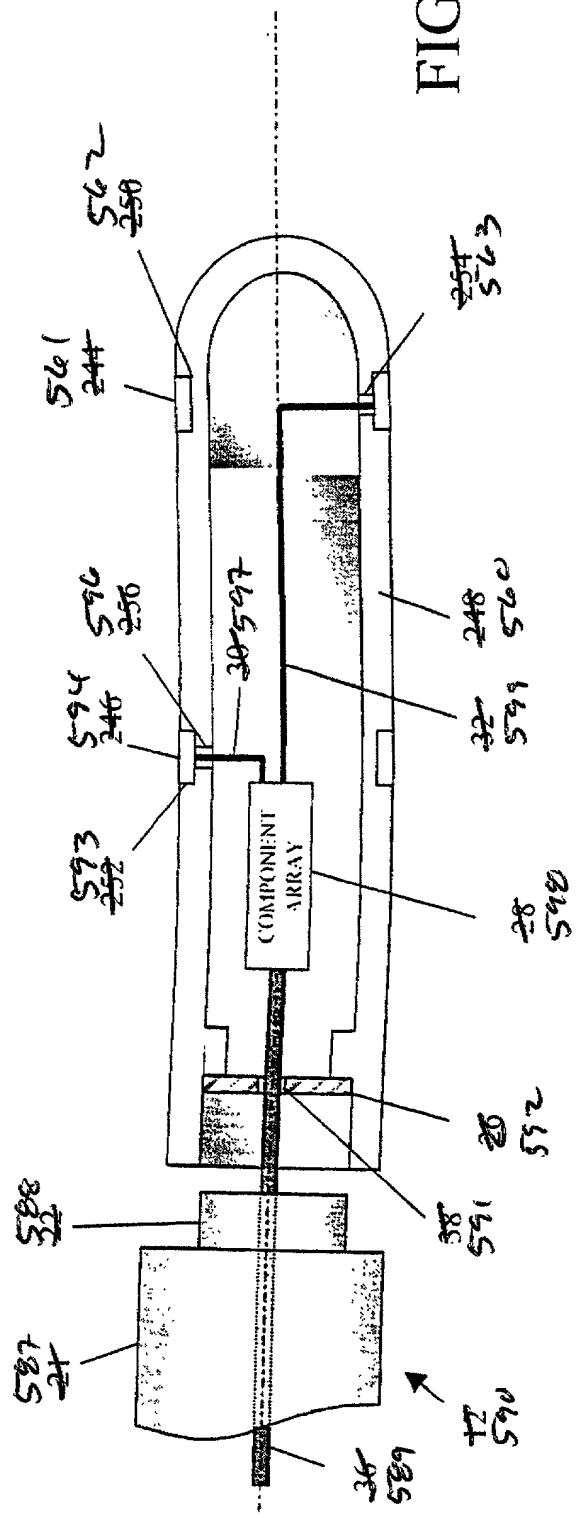


FIG. 860

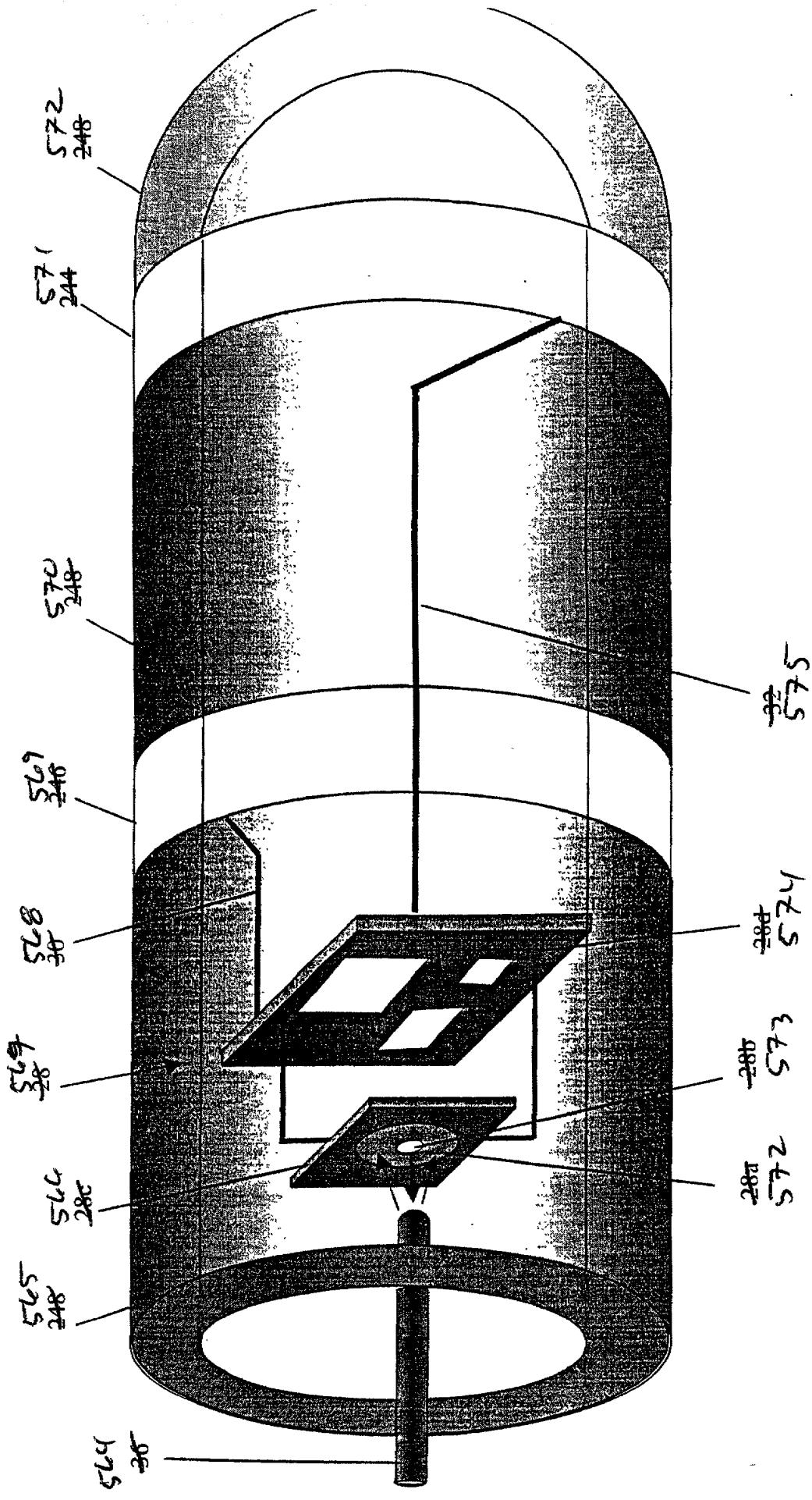


FIG. 246 (1)

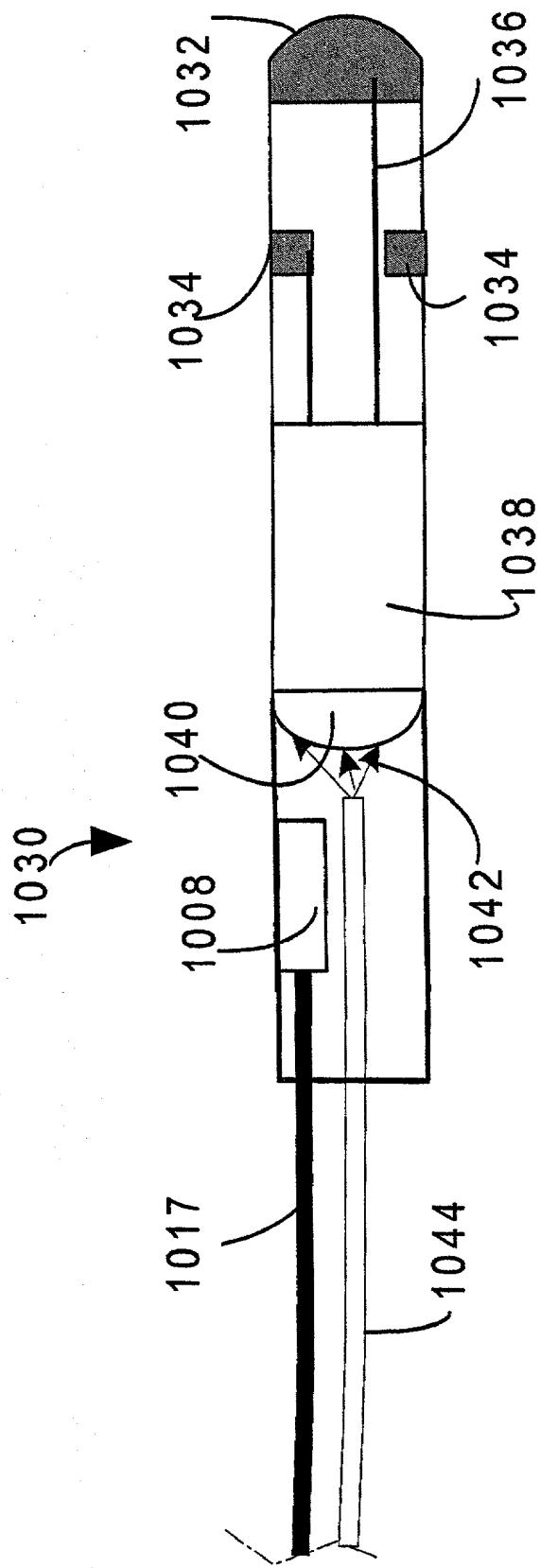
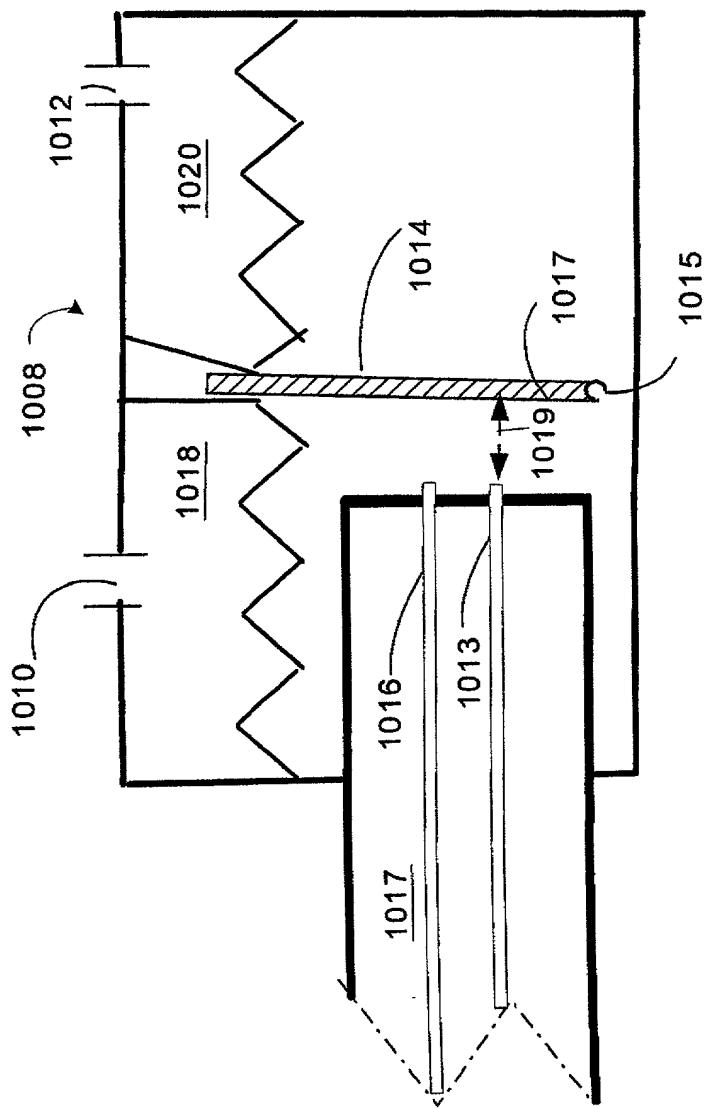


Fig. 1-62

Fig. 10b 63



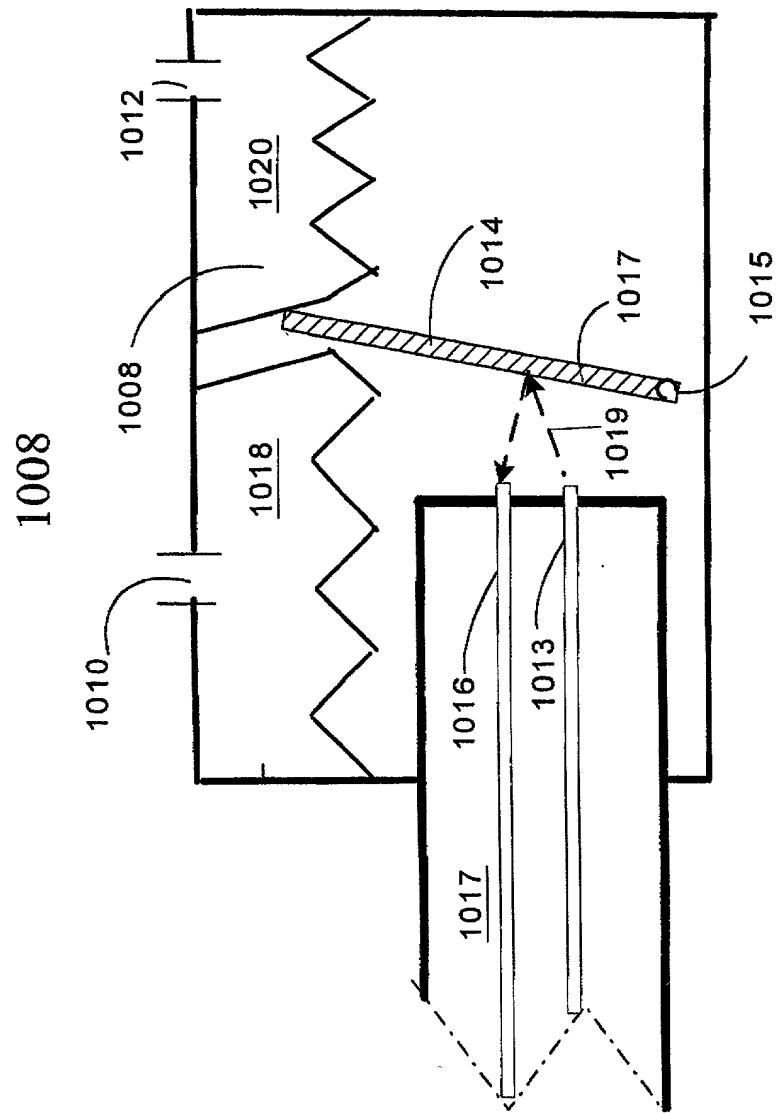
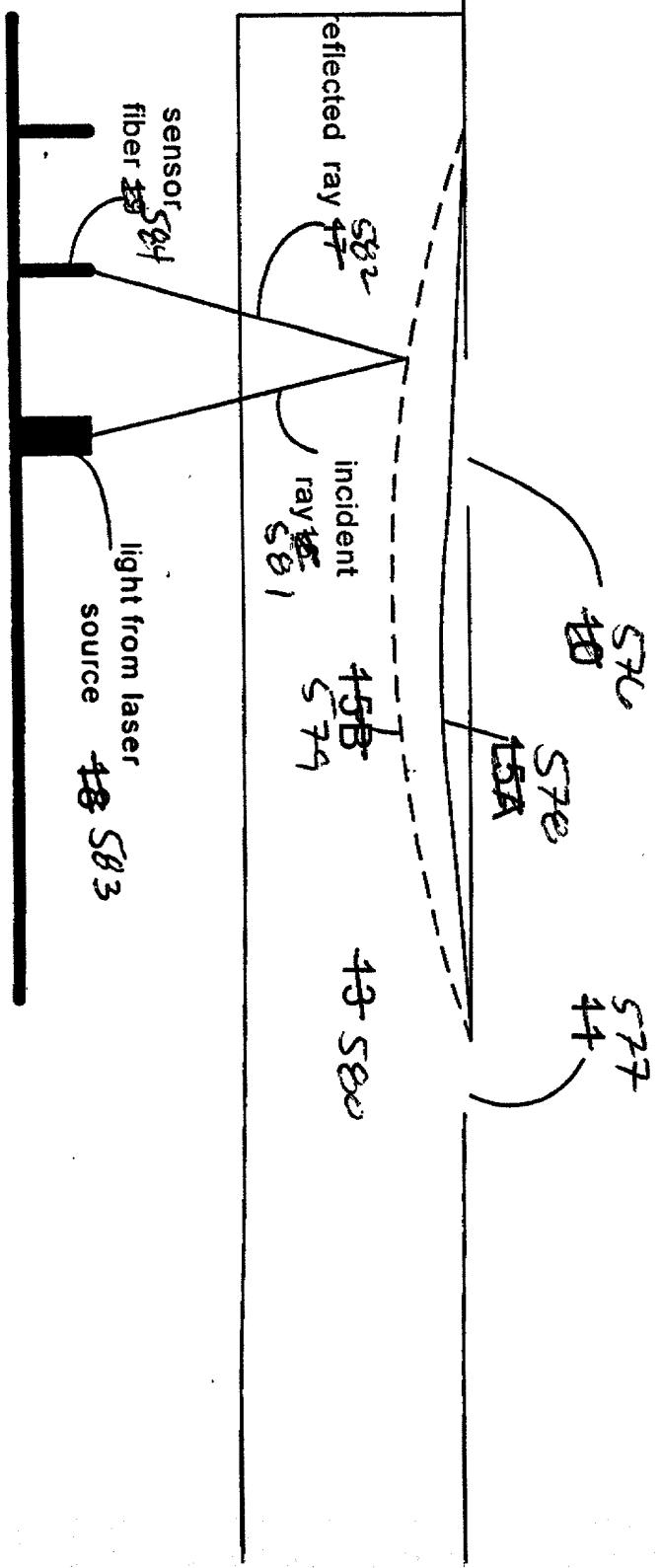


Fig. 10e 64

Figure 65



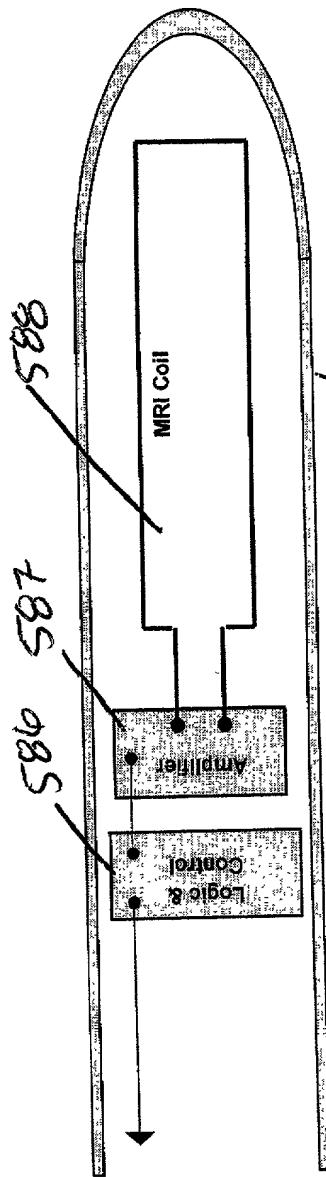


Figure 66  
585

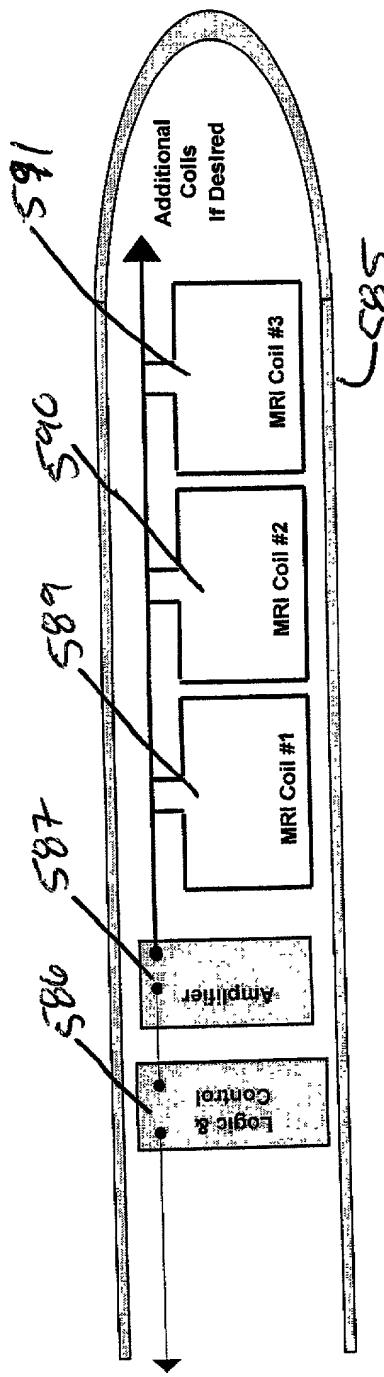


Figure 67  
585

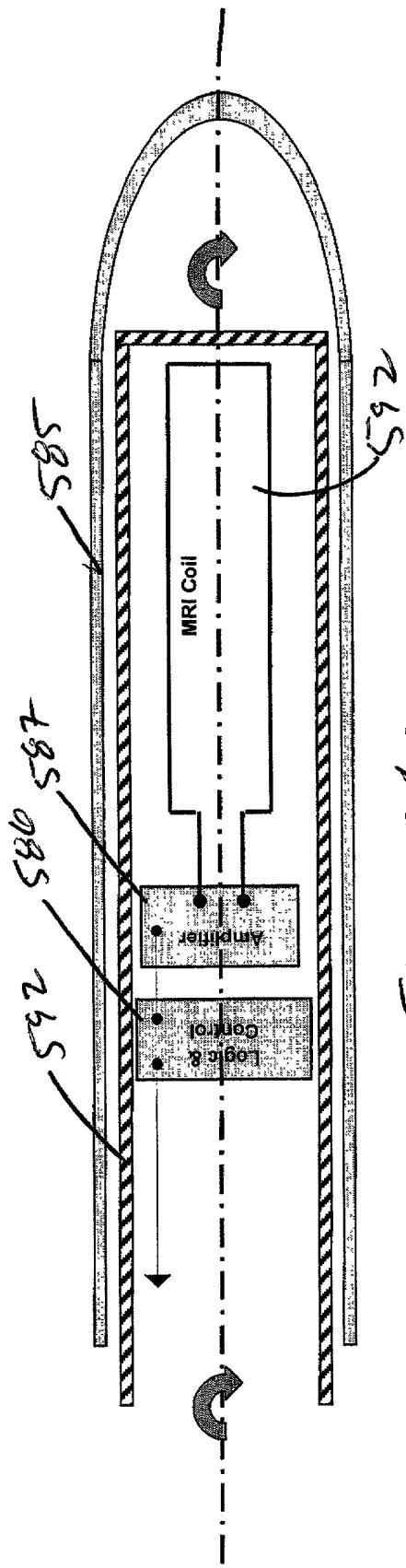


Figure 68

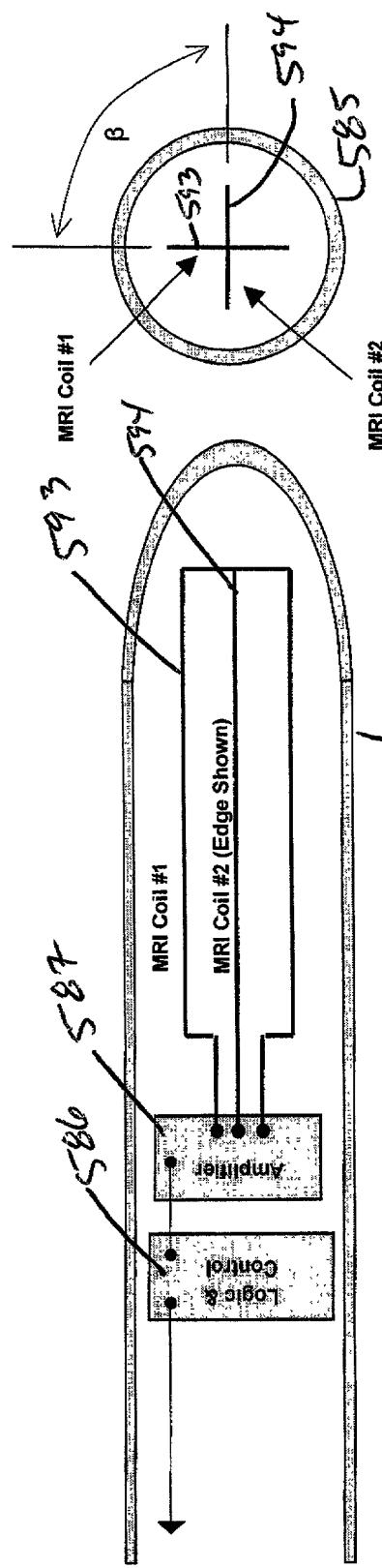
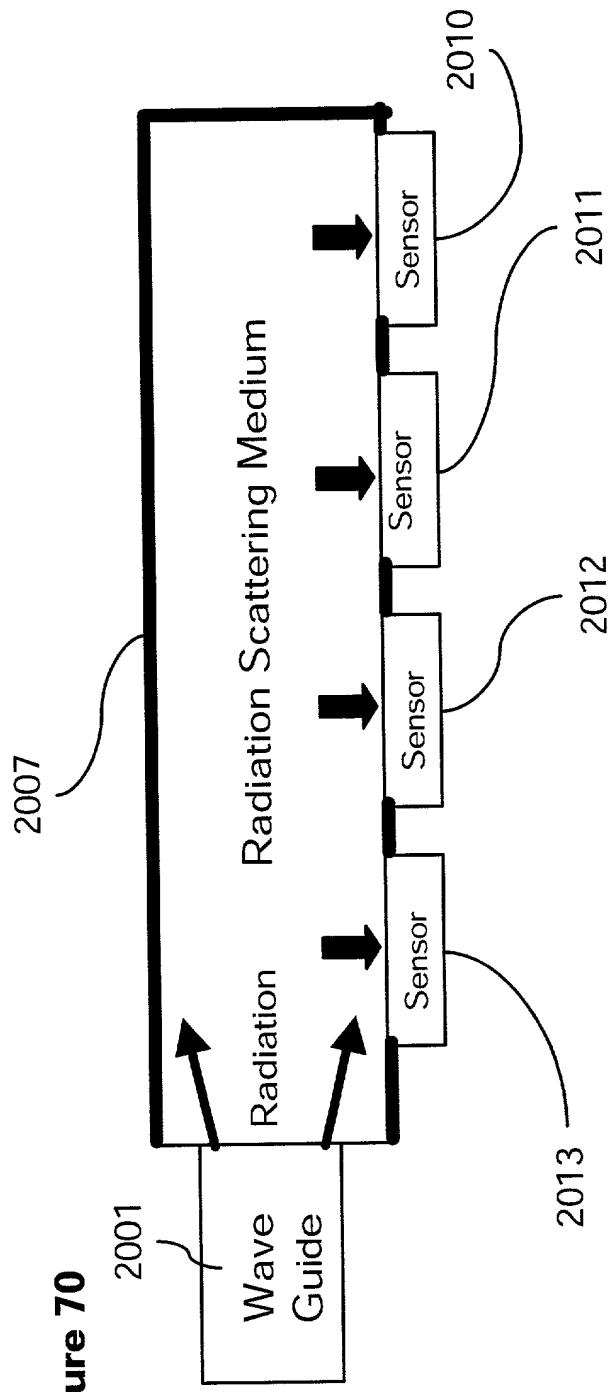
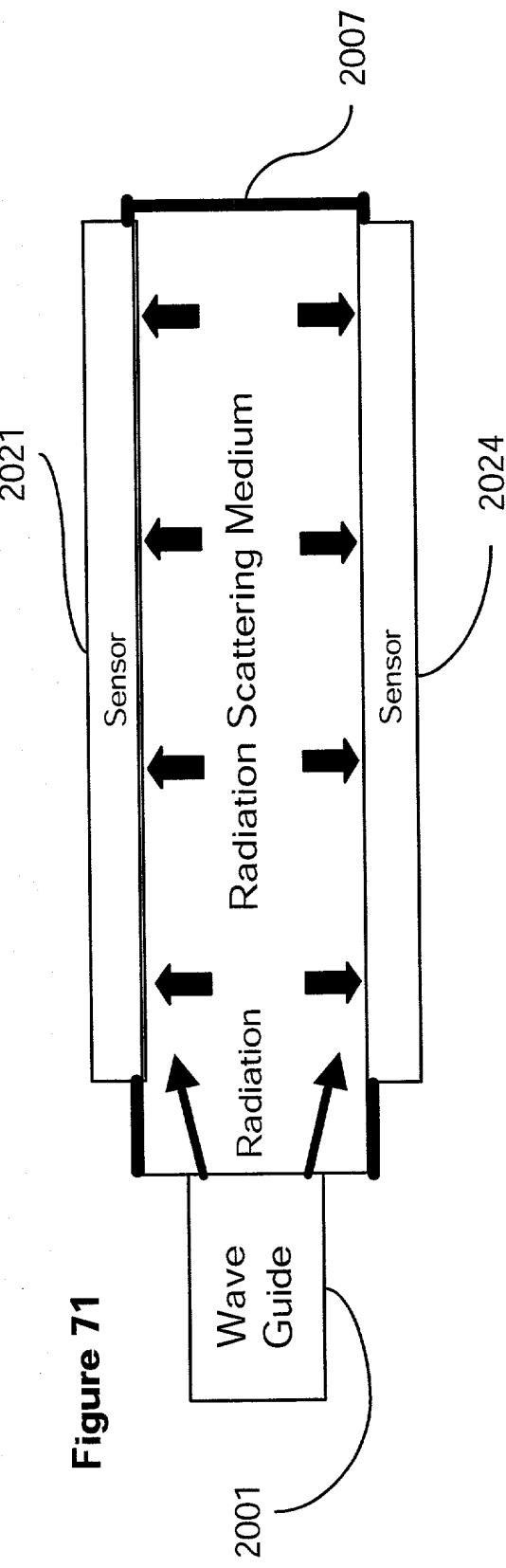


Figure 69

**Figure 70**



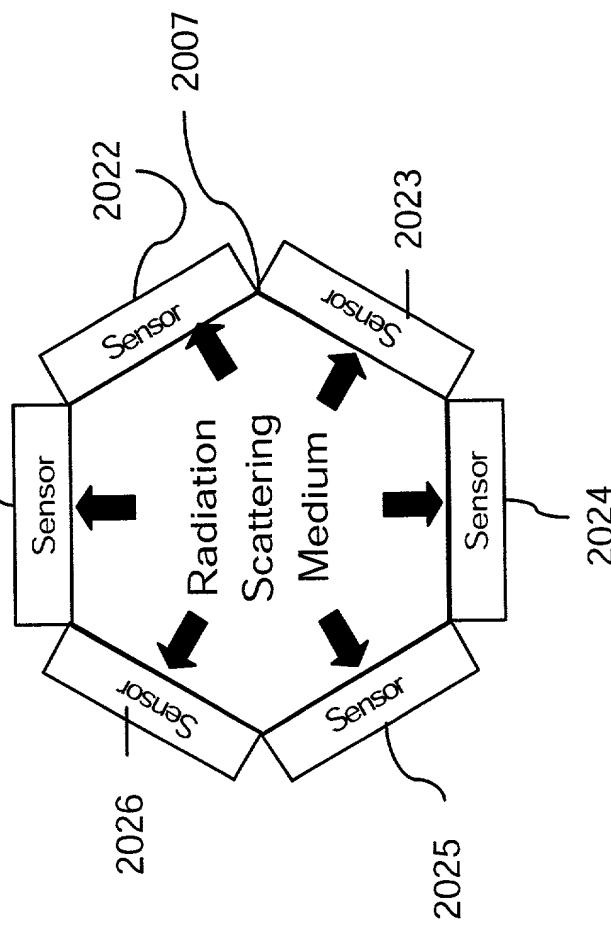
2021



**Figure 71**

2021

**Figure 72**



2034

2033

2032

2031

0%

25%

50%

75%

100%

Input  
Radiation

$T = 0\%$

$T = 50\%$

$T = 66\%$

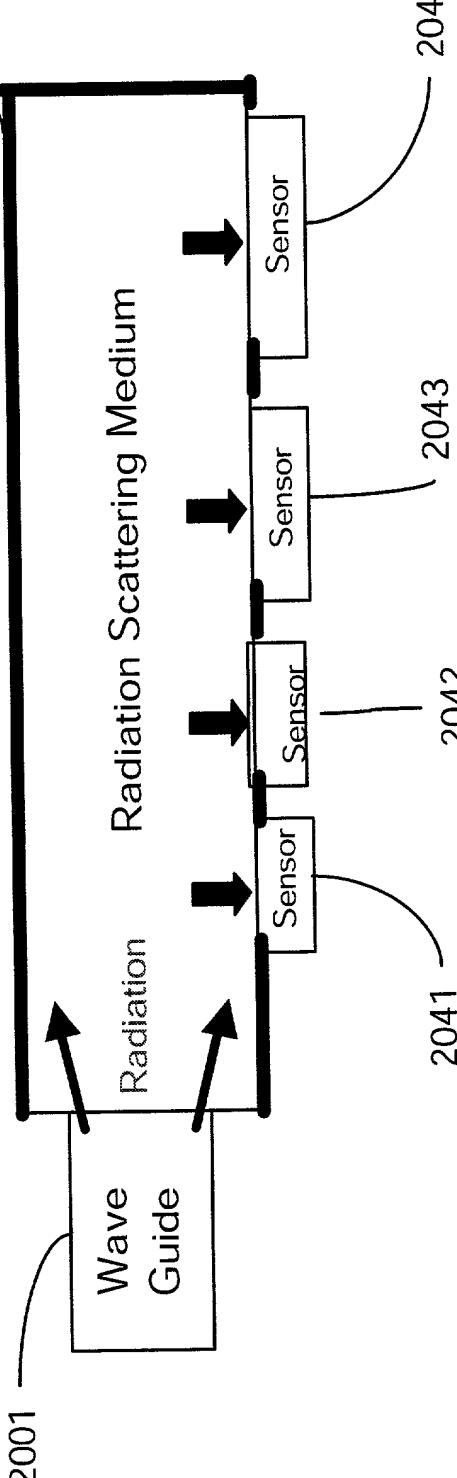
$T = 75\%$

Sensor

2037

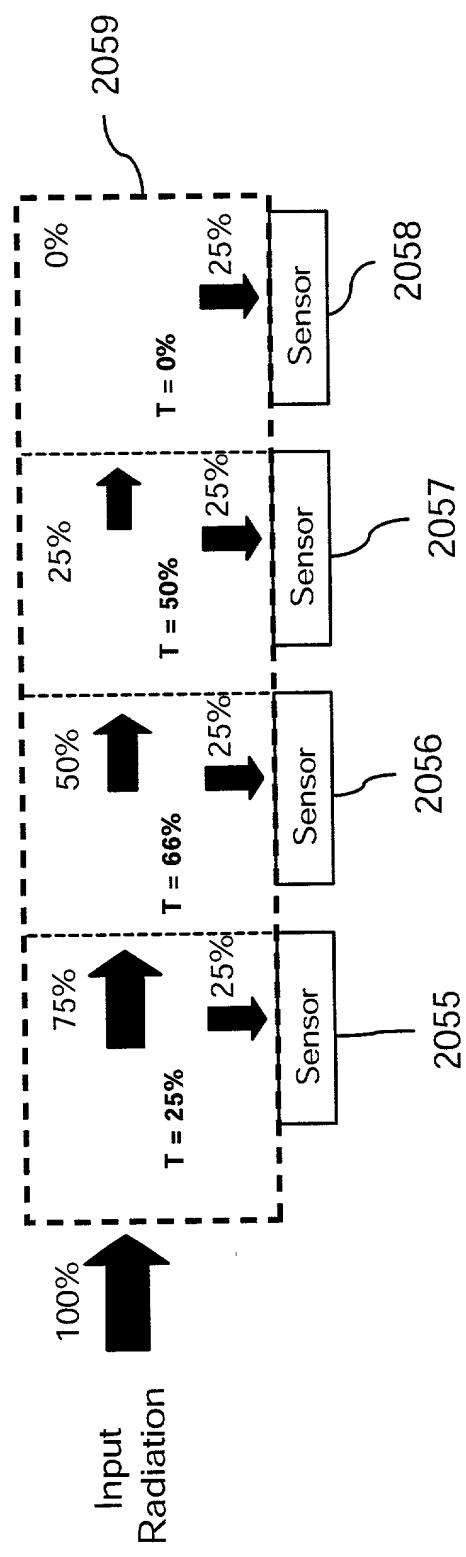
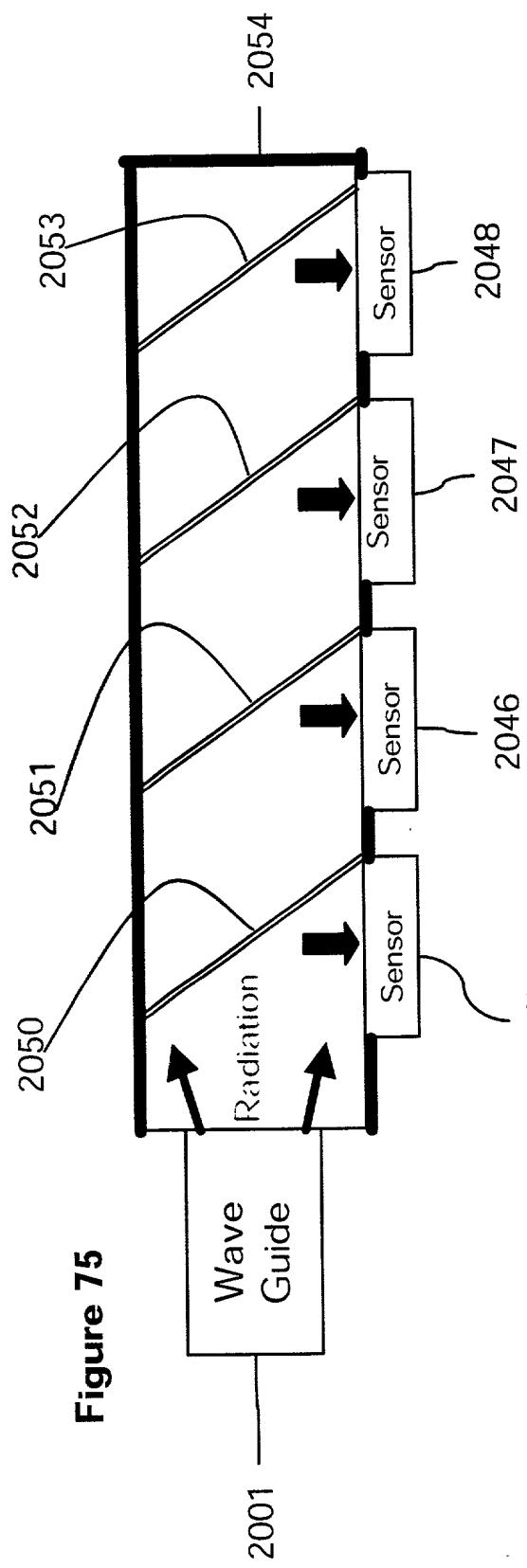
2038

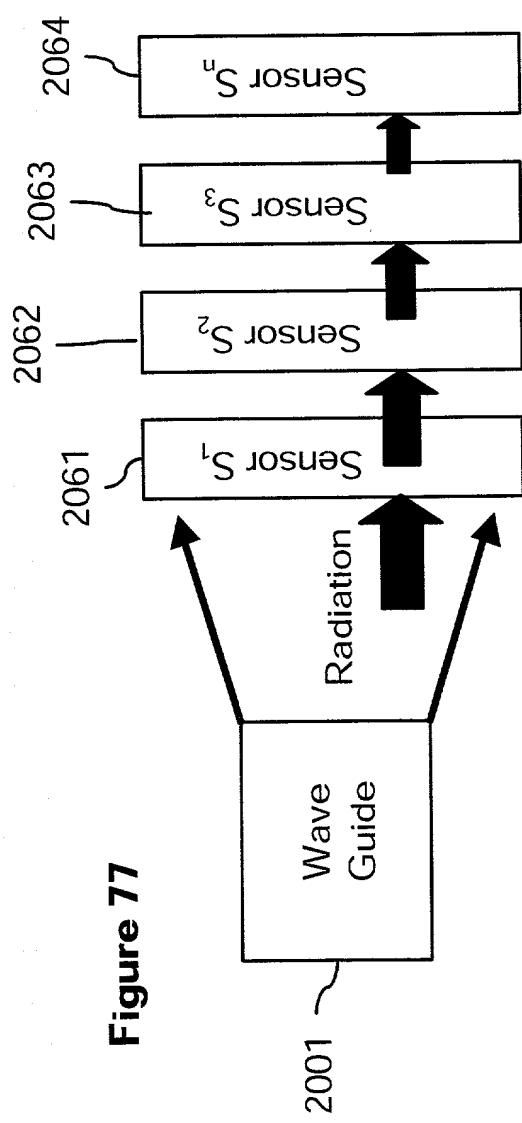
2007



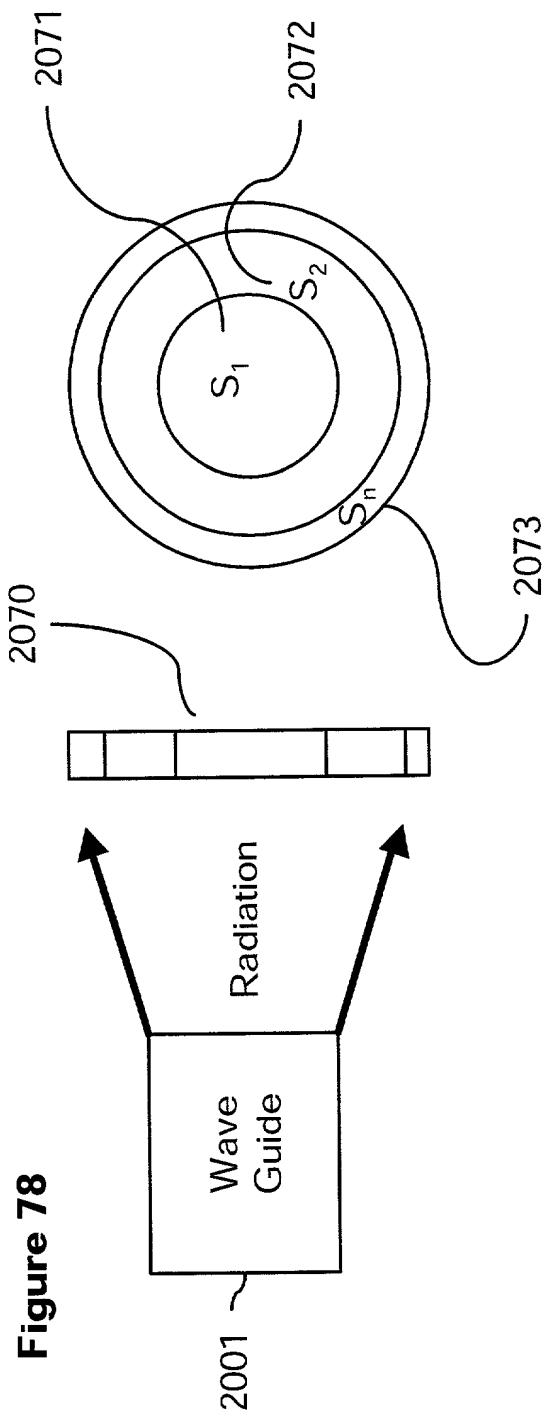
**Figure 73**

**Figure 74**

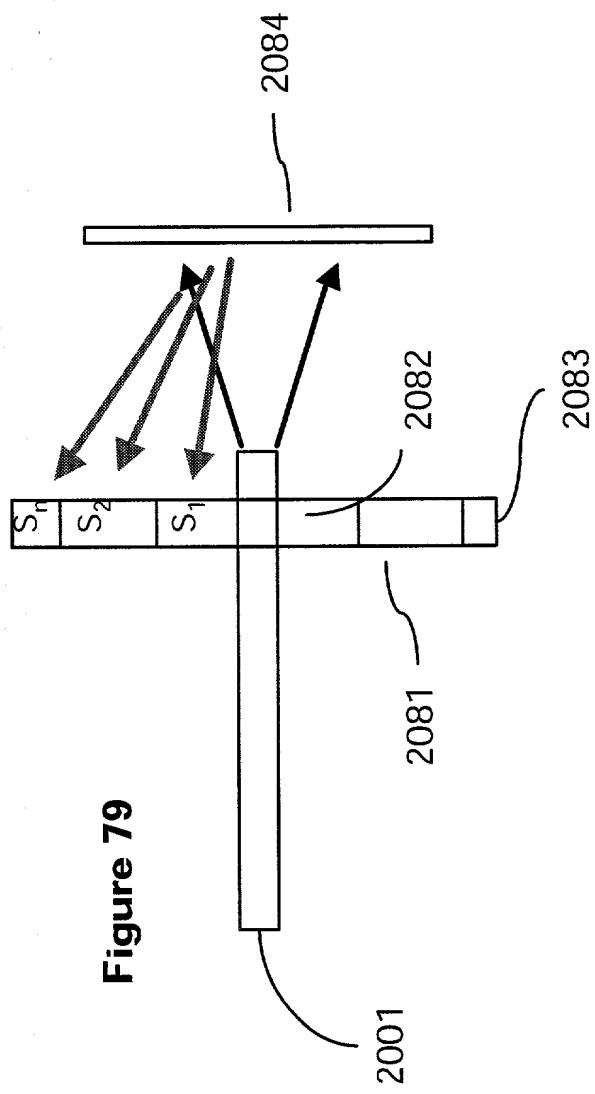


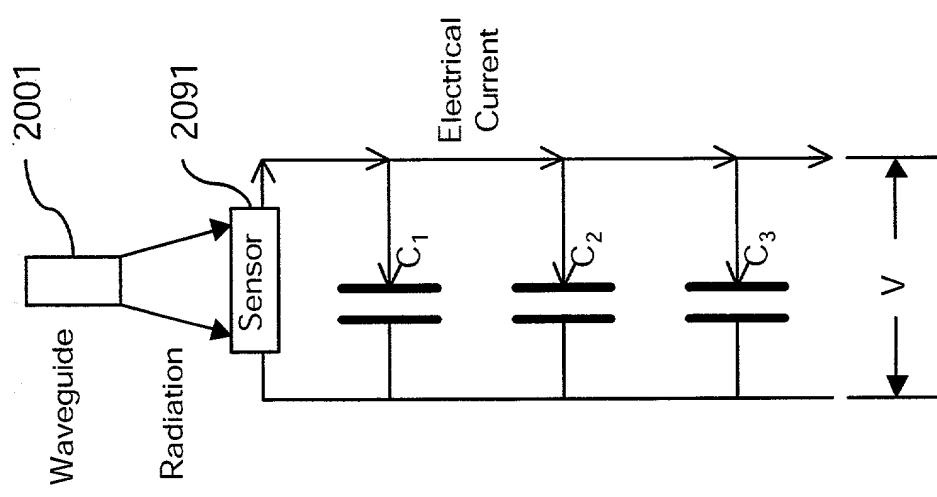


**Figure 77**

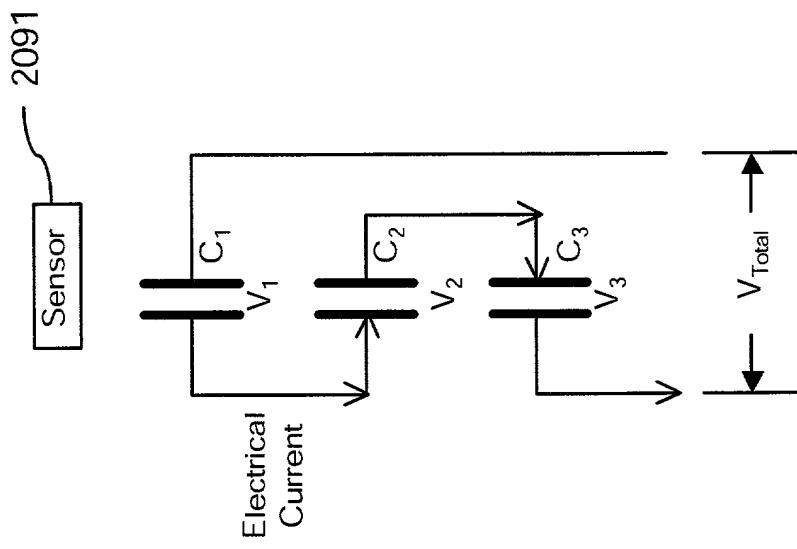


**Figure 78**

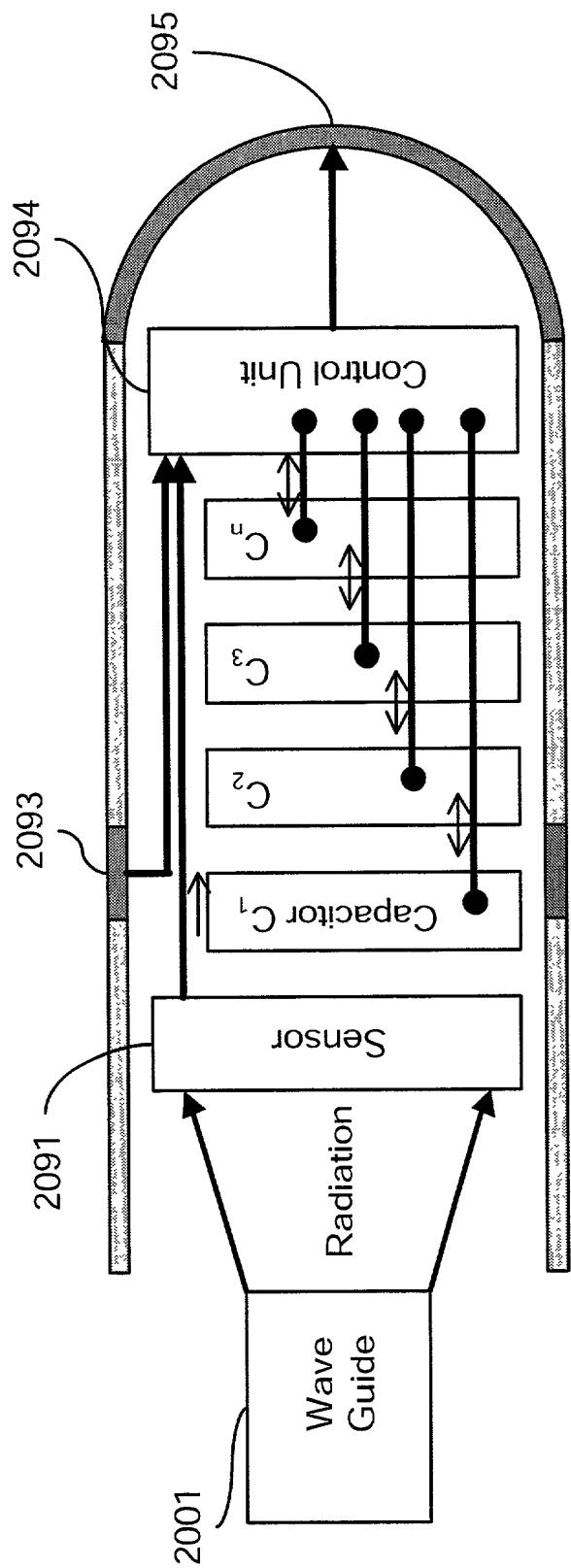




**Figure 80**



**Figure 81**



**Figure 82**

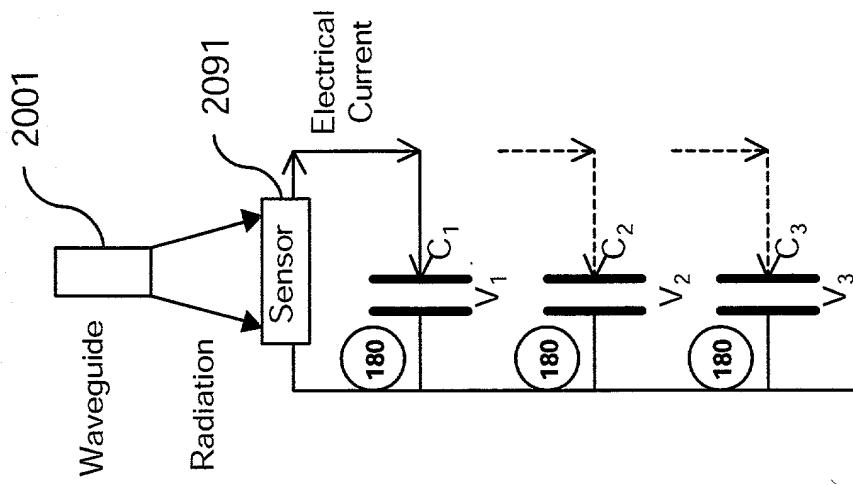


Figure 83

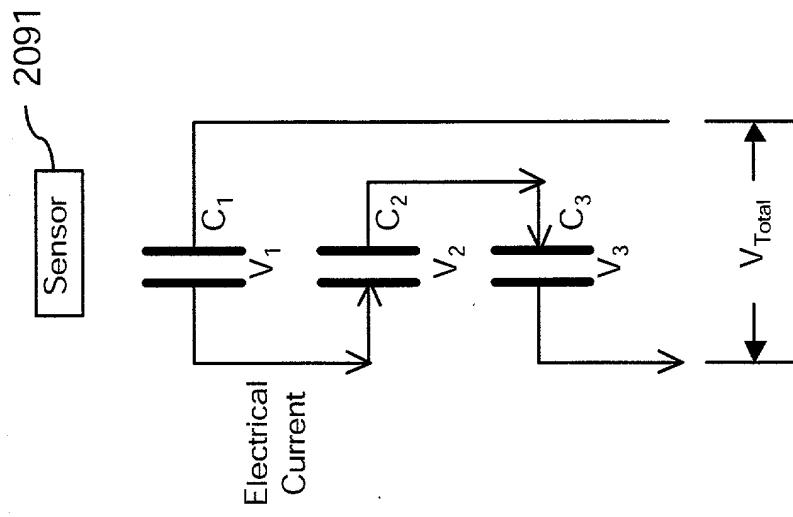


Figure 84

